

**THE MARMON GROUP
CERRO COPPER v. MONSANTO
M2377-70**

CERRO COPPER DOCUMENTS

BOX 1

<u>DOCUMENT #</u>	<u>DESCRIPTION</u>
C00001 C00002	Ecology and Environment, Inc. Report, Vol. 1 and 2 for all Sauget sites; states what EPA thinks is the problem. Expanded Site Investigation, Dead Creek Project Sites at Cahokia/Sauget, Illinois, Final Report, May 1988, Vol. I and 2
C00003	IEPA Consent Decree Perland Environmental Technologies Contract Chemical Waste Management Transportation and Disposal Contract Chemical Waste Management Removal Loading, Liner and Landfill Contract
C00004	The Avendt Group, Inc., Site Investigation/Remedial Alternative Evaluation for Creek Segment A, Vol. I, March 1, 1990
C00005	The Avendt Group, Inc., Site Investigation/Remedial Alternative Evaluation for Creek Segment A, Vol. 2, March 1, 1990
C00006	The Avendt Group, Inc., Site Investigation/Remedial Alternative Evaluation for Creek Segment A, Vol. 1 and 2 with some revisions June 1, 1990 (Only revision to Chapter 7)
C00007	Removal Action Work Plan for Dead Creek Segment A, Cerro Copper Products Co., Sauget, Ill. (prepared by Avendt Group)
C00008	Perland Environmental Technologies, Inc. Work Plan; Collection of Field Data Required for Design Criteria, Cerro Copper CS-A, Sauget, Ill., July 5, 1990
C00009	Work Plan for Removal and Disposal of Sediments in Dead Creek CS-A, Cerro Copper Products, Co., Sauget, Ill. (Perland)

BOX 2

C00010 Closure of Dead Creek Segment A
 Photographs taken by Perland

C00011 Closure of Dead Creek Segment A
 Photographs taken by Perland

C00012 Photographs taken by Cerro

C00013 Final (Original) Site Investigation Feasibility Study
 for Creek Segment A, June 1990, Vol. I (duplicate of
 C00006)

C00014 Original, Vol. II, The Avendt Group, Inc., Site
 Investigation/Remedial Alternative Evaluation for
 Creek Segment A, Vol. 1 and 2 with some revisions
 June 1, 1990 (Only revision to Chapter 7)

C00015 Removal Action Work Plan for Dead Creek Segment A,
 Cerro Copper Products, Co., Sauget, Ill. (C00007)

C00016 Dead Creek - Segment A Analytical Results, RI/FS
 dated July 1989
 Weston - they did the testing, Avendt took samples

C00017 Letter from IEPA to Henry Schweich dated March 30,
 1989, re: Superfund Compliance/Enforcement (Page 1)

C00018 Page 2 of C00017

C00019 Miscellaneous drafts and figures for RI/FA (159
 pages)

C00020 Cost Estimate, Avendt - Cerro Copper, dated June 23,
 1989, P.T.'s Copy (3 pages)

C00021 Internal Memo, re: what inhouse number to charge
 expenses to; Dead Creek related expenses (1 page)

C00022 Cost Estimate, Avendt - Cerro Copper, dated June 23,
 1989, P.T.'s Copy; includes letter of transmittal to
 Joe Grana (4 pages)

C00023 Purchase order to John Mathes and Associates for
 drilling of sample wells and sample soils, dated
 9/22/89 (1 page) (See also C00038)

C00024 Internal Memo: note to Security Guards, dated July 6,
 1989

C00025 Cost Estimate, Avendt - Cerro Copper, dated June 23,
 1989, P.T.'s Copy; includes transmittal sheet
 (4 pages)

C00026 Program overview, Dead Creek Segment A, Start/Stop dates (3 pages)

C00027 Program overview, Dead Creek Segment A, Start/Stop dates with Paul Tandler meeting notes (3 pages)

C00028 Joe Grana meeting notes from 7/12/89 Technical review meeting (goes with C00026 and C00027)

C00029 Letter from Paterson Schafer, Inc. dated 7/19/89 (3 pages)

*C00030 November 10, 1965 letter from Geo. M. Sallwasser to Joseph Goldenberg (2 pages)

*C00031 December 2, 1965 letter from Sallwasser to Silverstein (2 pages)

*C00032 December 6, 1965 letter from Hodges to Goldenberg (2 pages)

*C00033 December 10, 1965 internal memo from P. Tandler to S.A. Silverstein (2 pages)

C00034 Internal memo re: Certification that no soil taken by company cleaning up trees/vegetation (2 pages)

C00035 Letter from IEPA dated 8/24/89 (1 page)

C00036 9/5/89 letter from J. Grana to Ray Avendt (2 pages includes head map)

C00037 Preliminary report from consultant re: potential disposal sites (2 pages)

C00038 Contract for C00023 Mathes & Co. (3 pages)

C00039 Internal memo re: disposal of sampling material

C00040 11/6/89 letter from Ray Avendt to Paul Tandler re: RI/FS costs. 2 page letter and fax copy with fax cover sheet (5 pages total)

C00041 11/21/89 letter from Paterson Schafer, Inc., re: fill from the excavation of stormwater facility (2 pages)

C00042 11/17/89 letter from Ill. ERA re: Proposal Placement of Fill, Dead Creek

C00043 11/30/89 letter from I.E.P.A. to Carl Schafer of Paterson Schafer, Incorporated re: Stormwater Collation and Retention Facility (9 pages)

C00044 Cerro Copper Products Company Status Report, Dead Creek Sector A and Site I. Prepared by Avendt

C00045 Cerro Copper Products Company Status Report, Dead Creek Sector A and Site I. Prepared by Avendt

C00046 Partial copy of Cerro Copper Products Company Status Report, Dead Creek Sector A and Site I. Prepared by Avendt For Dead Creek Sector A and Site I

C00047 1/5/90 letter from Carl Schafer to Paul Tandler of IEPA re: soil from stormwater facility (2 pages)

C00048 1/30/90 letter from Paul Takacs of IEPA to Raymond Avendt (2 pages)

C00049 2/19/90 memo from J. Grana to Ray Avendt re: IEPA Equivalent RI/FS Report (1 page)

C00050 March 29, 1990 letter from Walter G. Shifrin, P.E. of Shifrin & Associates, Environmental Engineers, re: description of Dead Creek (2 pages)

C00051 Fax from Shifrin & Associates to J. Grana re: description of Dead Creek (3 pages)

C00052 April 2, 1990 letter from James Paterson of Paterson Schafer, Inc., re: sending Michael Ladbury a copy of their report (1 page)

C00053 4/6/90 letter from Christopher Bade of the Avendt Group to Paul Takacs of IEPA re: Site Investigation and Remediation Alternatives Evaluation Report (1 page)

C00054 4/20/90 letter from Christopher Bade of the Avendt Group to Paul Takacs of IEPA, Volume 2 of Site Report

C00055 4/30/90 letter from Ray Avendt of the Marmon Group to Lorne Peppler of Procur Sulpher Services, Inc. re: characterization of 20,000 cubic yards of contaminated soil to be removed

C00056 6/18/90 letter from J. Grana to Ivan Cooper of the Avendt Group re: computer software

C00057 7/24/90 follow up letter to C00056 from Joe Grana to Frank Burke

C00058 10/18/89 memo from Joe Burroughs to Dave Durham re: Dead Creek Waste Material (1 page)

C00059 9/5/89 letter from J. Grana to Ray Avendt re: Flood Map for Village of Sauget (1 page)

C00060 Sample and Analysis Plan; Cerro Copper and Brass
Company, Dead Creek Section (73 pages) (Note: 2
separate documents)

C00061 Bill from Morgan Drive Away, Inc. (2 pages)

C00062 9/7/89 letter from James Paterson of Paterson
Schafer, Inc. re: soil boaring test results

C00063 9/20/89 memo from Walter Shifrin to Raymond Avendt
re: contaminated soil disposal

C00064 Cost estimate for boring at Cerro, dated 8/16/89 (2
pages)

C00065 Cerro Copper Products, Dead Creek Sediment Volume (3
pages)

C00066 6/28/89 memo from J. Grana to Mike McNerney re:
Electric and Water Hook-up (1 page)

C00067 July 6, 1989 memo from J. Grana to Bob Destherage re:
Dead Creek Drilling Equipment in plant

DEAD CREEK STORMWATER MANAGEMENT PROJECT
AND REMOVAL PREPARATION 1989-1990

NOTE: 68-81 FOR STORMWATER

C00068	Engineering Firms for Dead Creek Dewatering Project (55 pages)
C00069	Flood Plain Permit Application (31 pages)
C00070	Topographic Map
C00071	Topographic Map
C00072	Topographic Map
C00073	Korte/Chester Construction Project Mgr. for Stormwater System (47 pages)
C00074	Construction Permits for Dead Creek Process and Stormwater Projects (38 pages)
C00075	Dead Creek Tech Review Meetings (14 pages)
C00076	Korte Plocker Backcharges, Fall 1990 (23 pages)
*C00077	Village Correspondence on Dead Creek Stormwater System 1989-1991 (105 pages)
*C00078	(Note: out of order) Community Relations Notices (68 pages)
C00079	Dead Creek Brush/Vegetation Removal and Fence Installation, June/July 1989 (50 pages). (Note: Includes Monsanto Round-up Herbicide)
C00080	Process and Storm Sewer Separation from Dead Creek Design and Engineering, July - November 1989, Operation 1990-1990 (90 pages)
C00081	Dead Creek Sampling During Dewatering (64 pages)

BOX 3
"BUILDING THE TUNNEL"

TUNNEL LEADS TO THE MILLION GALLON BASIN
TUNNEL RUNS N/S UNDER ROAD, ALONG SIDE OF THE PLANT
ALL STORMWATER GOES IN THERE

C00082	Stormwater Project Chester Engineering; Technical Specifications for Stormwater Collection Facility (includes Stormwater Collection and Pumping Facility contract documents and specifications) (62 pages and 2 copies of Contract documents and specification)
C00083	Stormwater Project Chester Engineering Technical Specs for Stormwater Collection Facility, Part 2 (85 pages)
C00084	Independent Granite Pipe Corp. of M.O. Box Culvert Certifications (261 pages)
C00085	Stormwater Project Chester Engineers Proposal; Plans; Specs (441 pages)
C00086	Stormwater Project Bids; Proposals
C00087	Stormwater Project Korte-Ploder (Actual construction company for Stormwater Collection Facility)

DC-A - CLEANUP-RELATED DOCUMENTS

AT THE STAGE OF: RI/FS FINISHED; IN MIDDLE
OF STORMWATER CONSTRUCTION; START NEGOTIATING
WITH EPA RE: CONSENT DECREE

*C00088	Consent Decree Negotiations and Original, 1/90 - 8/90 (153 pages)
*C00089	Consent Decree Work Plan (77 pages)
C00090	Videotape of Consent Decree Press Conference
C00091	Dead Creek News/Press Conference
*C00092	Consent Decree - Compliance (38 pages) (copy)
C00093	Dead Creek - Engineer/Design Selection (includes copy of Agreement for Professional Services) (136 pages)
C00094	Perland: Prequalification Statement for Design and Construction Inspection of the Remediation of Dead Creek Segment A, dated May 23, 1990
C00095	Perland proposal for Cerro Copper Products dated June 12, 1990
C00096	Perland Contract Purchase Order Insurance Change Orders

TRANSPORTATION AND DISPOSAL DOCUMENTS

C00097 Vol. I of Contract Documents for Cerro Copper Products by Perland for Transportation and Disposal (includes Addendum 1 dated August 6, 1990)

C00098 Vol. I of Contract Documents for Cerro Copper Products by Perland for Transportation and Disposal (includes Addendum 1 dated August 6, 1990)

C00099 Transportation and Disposal Pre-Bid Documents for T & D (putting together RFT for T & D reviewed qualifications)

C00100 Transportation/Disposal Bid Analysis

C00101 Dead Creek Corp of Engineers - Application for Permit and Approval

C00102 Dead Creek - Army Corp of Engineers - Permit - Backup documents

DOCUMENTS FOR REMOVAL

C00103	Perland Vol. I of Contract Documents for Removal, Dewatering, Loading and Backfill Operations
C00104	Perland Vol. I of Contract Documents for Removal, Dewatering, Loading and Backfill Operations
C00105	Bid from Swenson, in response to Perland Vol. I of Contract Documents for Removal, Dewatering, Loading and Backfill Operations
C00106	Bid from Environmental Contracting, Inc., in response to Perland Vol. I of Contract Documents for Removal, Dewatering, Loading and Backfill Operations
C00107	Bid from USPCI in response to Perland Vol. I of Contract Documents for Removal, Dewatering, Loading and Backfill Operations
C00108	Bid from ACES in response to Perland Vol. I of Contract Documents for Removal, Dewatering, Loading and Backfill Operations
C00109	Bid from Chemical Waste Management, Inc., in response to Perland Vol. I of Contract Documents for Removal, Dewatering, Loading and Backfill Operations
C00110	Remediation Contractor/Bid selection of Remediation Contractors

BOX 4
MIDDLE OF CLEAN-UP - ISSUES THAT CAME UP

NOTE: BOX 4 HAS C00111-C00132 AND C00228-C00239

C00111	Work Plan/QUAPP/SSP
C00112	Solids Hydration
C00113	Dead Creek - Project Management and Scheduling
C00114	Security and Insurance Certificates
C00115	Volatile Analysis, Metal Analysis (samples taken every 50 feet) test results
C00116	Technical Data (Phase 1 Sediment Sampling)
C00117	Chemical Waste Management, Inc., Bid for Removal and T & D

**BID FOR TRANSPORT AND OFF-SITE DISPOSAL OF
EXCAVATED SEDIMENT, DEAD CREEK, SEGMENT A**

C00118	Correspondence, Negotiations, contract between Cerro and Chem Waste re: removal and T & D
C00119	Chemical Waste Management, Inc., general information
C00120	Chemical Waste - OSHA Training
C00121	Perland Memos to Chem Waste
C00122	Meetings with Perland and Chem Waste

THE WASTE

C00123	Sediment Classification
C00124	General Profile Sheets for Waste Codes (related to sediment Classification) (Initial Profile Sheets) 6 waste streams
C00125	CID Permit Applications (Illinois Applications - need permit for disposal of non-hazardous (CID) waste (CID Landfill)
C00126	Waste Profile - K14037
C00127	Waste Profile - K14040 (TSCA - PCB's)
C00128	Waste Profile - K14041
C00129	Waste Profile - K14042
C00130	Waste Profile - K14043
C00131	Waste Profile - K14045
C00132	Waste Profile - K13967 (PPE)

(NOTE: Waste code used by Chem Waste - refers to internal number of Chem Waste.)

BOX 5

C00133 RI/FS Lab Back-up, Vol. 1

C00134 RI/FS Lab Back-up, Vol. 2

C00135 RI/FS Lab Back-up, Vol. 3

C00136 RI/FS Lab Back-up, Vol. 4

C00137 RI/FS Lab Back-up, Vol. 5

C00138 RI/FS Lab Back-up, Vol. 6

C00139 RI/FS Lab Back-up, Vol. 7

C00140 RI/FS Lab Back-up, Vol. 8

C00141 RI/FS Lab Back-up, Vol. 9

Note: RI/FS Lab Back-up, Volume 10 is missing

C00142 RI/FS Lab Back-up, Vol. 11

C00143 RI/FS Lab Back-up, Vol. 12

BOX 6

C00144	RI/FS Lab Back-up, Vol. 13
C00145	RI/FS Lab Back-up, Vol. 14
C00146	RI/FS Lab Back-up, Vol. 15
C00147	RI/FS Lab Back-up, Vol. 16
C00148	RI/FS Lab Back-up, Vol. 17
C00149	RI/FS Lab Back-up, Vol. 18

BOX 7

C00150	RI/FS Lab Back-up, Vol. 19
C00151	RI/FS Lab Back-up, Vol. 20
C00152	RI/FS Lab Back-up, Vol. 21
C00153	RI/FS Lab Back-up, Vol. 22
C00154	RI/FS Lab Back-up, Vol. 23

BOX 8

C00155 RI/FS Lab Back-up, Vol. 24

C00156 RI/FS Lab Back-up, Vol. 25

C00157 The Avendt Group, Inc., Site Investigation/Remedial Alternative Evaluation for Creek Segment A, Vol. I, March 1, 1990; Duplicate of Site Investigation and Feasibility Study

C00158 Ecology and Environment, Inc. Report, Vol. 1 and 2 for all Sauget sites; states what EPA thinks is the problem. Expanded Site Investigation, Dead Creek Project Sites at Cahokia/Sauget, Illinois, Final Report, May 1988, Vol. I and 2

C00159 Ecology and Environment, Inc. Report, Vol. 1 and 2 for all Sauget sites; states what EPA thinks is the problem. Expanded Site Investigation, Dead Creek Project Sites at Cahokia/Sauget, Illinois, Final Report, May 1988, Vol. I and 2

C00160 Sampling for the Dead Creek Project, prepared for EPA

BOX 9

C00161	9/24/90 Loading Manifest
C00162	9/25/90 Loading Manifest
C00163	9/26/90 Loading Manifest
C00164	9/27/90 Loading Manifest
C00165	9/28/90 Loading Manifest
C00166	9/29/90 Loading Manifest
C00167	10/1/90 Loading Manifest
C00168	10/2/90 Loading Manifest
C00169	10/3/90 Loading Manifest
C00170	10/4/90 Loading Manifest
C00171	10/5/90 Loading Manifest
C00172	10/6/90 Loading Manifest
C00173	10/8/90 Loading Manifest
C00174	10/11/90 Loading Manifest
C00175	10/12/90 Loading Manifest
C00176	10/13/90 Loading Manifest
C00177	10/15/90 Loading Manifest
C00178	10/16/90 Loading Manifest
C00179	10/17/90 Loading Manifest
C00180	10/18/90 Loading Manifest
C00181	10/19/90 Loading Manifest
C00182	10/20/90 Loading Manifest
C00183	10/22/90 Loading Manifest
C00184	10/23/90 Loading Manifest
C00185	10/24/90 Loading Manifest
C00186	10/25/90 Loading Manifest

C00187	10/26/90 Loading Manifest
C00188	10/27/90 Loading Manifest
C00189	10/29/90 Loading Manifest
C00190	10/30/90 Loading Manifest
C00191	10/31/90 Loading Manifest
C00192	11/1/90 Loading Manifest
C00193	Miscellaneous Manifests

BOX 10
PREQUALIFICATION PACKAGES RE: COMPANY'S ABILITY
TO DO THE JOB SET OUT IN CERRO RF/FS

C00194	Riedel Environmental Services
C00195	Riedel Environmental Services
C00196	GDC Engineering
C00197	Heritage
C00198	Harmon
C00199	U.S. Ecology Environmental
C00200	Perland
C00201	OHM Corporation
C00202	STOUT
C00203	IRS Consultants, Inc.
C00204	Enviro-safe
C00205	Remcor
C00206	Sevenson
C00207	Aces
C00208	City Environmental
C00209	Chemical Waste Management
C00210	CH2M Hill
C00211	KIEWIT
C00212	Central States Environmental
C00213	U.S.P.C.I.
C00214	Chart - Creek Cross Section Drawing
C00215	Photo - Creek Cross Section Aicrol
C00216	Chart-shows construction of tunnel (drawing of basin and creek together).
C00217	Chart - "Flip Chart" of all Sauget sites

C00218	Drawing
C00219	"Traverse of DC-A Sampling - Geological Cross Sections."
C00220	"Traverse of DC-A Sampling - Geological Cross Sections."
C00221	"Traverse of DC-A Sampling - Geological Cross Sections."
C00222	"Traverse of DC-A Sampling - Geological Cross Sections."
C00223	Aerial Photo - 1937
C00224	Aerial Photo - 1955
C00225	Aerial Photo - 1960
C00226	Aerial Photo - 1967
C00227	Aerial Photo - 1973

BOX 4
NEW TOPIC

C00228	IEPA Monthly Report for July 1990 dated 8/14/90
C00229	IEPA Monthly Report for August 1990, dated 9/11/90
C00230	IEPA Monthly Report for September 1990, dated 10/5/90
C00231	IEPA Monthly Report for October 1990, dated 11/6/90
C00232	IEPA Monthly Report for November 1990, dated 12/6/90
C00233	Monthly Reports from Perland to Cerro
C00234	Sample monthly report from IEPA to J. Grana
C00235	Daily reports that Perland prepared
C00236	Final Report Documents D (includes correspondence, drafts of final reports)
C00237	Final report dated June 6, 1991 version
C00238	Final report dated June 17, 1991 version
C00239	Final Report dated June 17, 1991 version

BOX 11
NEW TOPIC

C00240	RI/FS costs from Avendt Group (for Dead Creek)
C00241	Perland's Environmental Invoices: Back up Documents Book 1
C00242	Perland's Environmental Invoices: Back up Documents Book 2
C00243	Perland's Environmental Invoices: Back up Documents Book 3
C00244	Perland's Environmental Invoices: Back up Documents Book 4

BOX 12

C00245 Avendt RI/FS: Invoices related to RI/FS: (Expenses incurred to the report)

NOTE: Monsanto was sent a copy of Final Report, Cerro Copper Products, Removal of Contamination Creek Sediment at Dead Creek Segment A

C00246 Dead Creek Removal Action, summary of costs

NOTE: Copy provided to Monsanto 4/17/92

C00247 Dead Creek Removal Action, summary of costs

C00248 Dead Creek AFE (Authority for Expenditure) (in-house - ask for money from owner of the company)

C00249 Chem Waste Remediation Invoices

C00250 Chem Waste T & D Invoices

C00251 Chem Waste Final Payment

C00252 I.E.P.A. Oversight costs

C00253 Perland Invoices

C00254 Mathes Invoices (engineering company)

C00255 Shifrin Invoices (engineering consultant)

C00256 Metro Sand invoices

C00257 Westin invoices

C00258 Sverdrup RI/FS invoices (they did early RI/FS work in connection with E & E study)

C00259 Perland Cost Estimates

C00260 Stormwater removal invoices

*C00261 Dead Creek cost recovery 1987-1990 (Monsanto) (Page 112 important)

*C00262 Dead Creek Cost recovery 1991 (Monsanto) (page 129 important) includes MLR "Demand Letter"

*C00263 Dead Creek cost recovery 1992 (Monsanto) (pages 148; 153; 163 important) - correspondence with Monsanto regarding clean-up

C00264 Documents re: Alabama tax recovery - chemical waste recovery.

*C00265 Documents given to Steve Smith of Monsanto

*C00266 Correspondence with Monsanto

C00267 "Original" computer printouts and back-up for Cost Summary Books

C00268 Photographs

C00269 Videotape - 8MM

C00270 Videotape - 36" sewer collapse under pressure

NEW TOPIC

C00271	Photographs
C00272	Industrial Hygiene Survey - prepared by Versar Risk Management
C00273	Summary Sheets for different pile analysis - Sediment Analysis for disposal
C00274	Photographs

BOX 13

C00275 Sauget Sites/Dead Creek 1984-1988

*C00276 Local Industry Meetings on Dead Creek and Sauget
Sites 1986-1987-1988 - Public Comment

C00277 1980 and 1981 Work on Dead Creek

C00278 Historical Assessment of Hazardous Waste Management
in Madison and St. Clair Counties, Ill., 1890-1980 by
Craig E. Colten

C00279 4, 4' Dichlorobiphenyl - Clayton Environ. Contractors

*C00280 Easements; Title Search, Dead Creek Areas

C00281 Stormwater management project, dated November 1989,
construction period. [Note: essentially duplicates]

C00282 Stormwater management project, June - October 1989,
pre-construction

C00283 Dead Creek Sverdrup study 1987

C00284 E & E sampling on Cerro Property 1986 and 1987
Sverdrup oversight

C00285 Lab Report for Dead Creek Study by Sverdrup, 1987

C00286 Overheads and drawings Sverdrup

C00287 Preliminary Hydrogeologic Investigation, Sauget
Plantsite - Phase I Proposal, 1986

C00288 Remedial Investigation Phase II & III, Sauget Plant
Site, Proposal, 1986

C00289 Access Agreement E & E Study for IEPA, 1986 & 1987

C00290 October 7, 1985 Topographic Mappery & Geophysical
Investigation Work Plan RI/FS Dead Creek Area,

C00291 8/4/86 Proposal to Implement a Revised Scope of Work
for Dead Creek Sites RI/FS

C00292 2/24/86 IEPA Superfund/General correspondence letter
to P. Tandler

C00293 5/20/85 Proposal to Conduct a RI/FS, Vol. I,
Technical Proposal

C00294 E & E on-site work 1987

C00295	RI/FS 1989 January-June	*PT File
C00296	RI/FS 1988	*PT File
C00297	RI/FS June-December 1987	*PT File
C00298	RI/FS 1987	*PT File
C00299	RI/FS 1986	*PT File

BOX 14

C00300	RI/FS 1985 *PT File
C00301	IEPA Study - Preliminary Hydrogeologic Investigation in the Northern Portion of Dead Creek and Vicinity 4/81
C00302	Proposal to Conduct a RI/FS for the Dead Creek Project, Vol. I 5/20/85
C00303	Laboratory and Field Personnel Chain of Custody documentation and QAQC, 12/84
C00304	Topographic mapping and geophysical investigation work plan 10/7/85
C00305	Sauget Site - Dead Creek 1980-1984
C00306	Aerial Photo - 1948 thru 1963 and Drawing Pictures - 1987 and 1989 RI/FS
C00307	Drawings Sauget Sewer 1106
C00308	1106 Metro east drainage area
* All PT (Paul Tandler) files are chronological	
C00309	East lift station
C00310	Village of Sauget sewer system layout
C00311	Monsanto Biodize 3222
C00312	Sauget Sewers 1106
C00313	Pictures/prints/drawings etc.
C00314	Pydraul
C00315	Transformer Consultant SD Meyers P.O.
C00316	Transformer Oil Tests Binder
C00317	Newsletter 1959
C00318	Newsletter 1960
C00319	Newsletter 1961

C00320	Newsletter 1962
C00321	Newsletter 1963
C00322	PROTECTIVE ORDER Newsletter 1964
C00323	Newsletter 1965
C00324	Newsletter 1966
C00325	Newsletter 1967
C00326	Newsletter/Operational Reports 1959-1975
C00327	Newsletter/Operational Reports 1/76-12/90

BOX 15
PCR UP TO 1990 AND SVERDRUP WASTEWATER

C00328- C00346	PCR - Production Reports - letters
C00347- C00359	Field Sampling Reports/Periodic Compliance Report monitoring - Sverdrup
C00360- C00373	Field Sampling Reports/Periodic Compliance Report monitoring - Sverdrup
C00374- C00376	Field Sampling Reports/Periodic Compliance Report monitoring - Patterson Schaffer, Inc.
C00377- C00386	PSI - January Periodic Compliance Report ("PCR") 1990
C00387- C00398	PSI - February 1990 Sampling PCR
C00399- C00404	March PCR Sampling - PSI
C00405	Joe Grana's record book
C00406- C00407	August 1990 PCR Sampling
C00408- C00409	July PCR 1990 Sampling
C00410	Field Sampling Report Periodic Compliance Report monitoring August 1990
C00411	Field Sampling Report Periodic Compliance Report monitoring July 1990
C00412- C00421	PCR - April 1990
C00422- C00424	PCR - May 1990
C00425- C00434	PCR - June 1990
C00435	Periodic Compliance Report Cerro Copper Products Company April, May and June 1990
C00436- C00461	Sverdrup documents - Monitoring records

C00462- C00482	Sverdrup sampling problems
C00483- C00511	PCR cover letters
C00512- C00532	Letters from Sverdrup to lab
C00533- C00534	Pretreatment Periodic Compliance Report monitoring field data collection form
C00535	PCR sampling
C00536	August 31, 1989 letter to Joe Grana from Larry Oliver regarding field sampling data August 1989
C00537	Packet of draft PCR monitoring reports

BOX 16
REFINERY AND TUBE MILL WASTE WATER

C00538- C00551	Anode scrubber WWTF permit application
C00552- C00593	1990-1992 Mercury Results for CCPC's outfalls
C00594- C00595	November 30, 1989 letter to Paul Tandler from Carl J. Schafer with manual entitled "Building 80 and Tube Mill Sewers Samples"
C00596- C00622	Anode scrubber sampling April 1990 and secondary copper - Patterson Schaffer reports
C00623- C00633	Anode scrubber waste water treatment bid documents
C00634- C00657	Anode pond cleaning
C00658- C00661	#3 Anode furnace waste water treatment
C00662	Salt balance
C00663- C00672	Anode scrubber water treatment operating procedures, sketch and lab data
C00673- C00686	Anode scrubber documents and blueprints
C00687- C00704	Nickel in electrolyte
C00705- C00707	S-X effluent
C00708- C00723	Anode WWTF sampling - 1989 Summer
C00724- C00750	WRP - 2 sampling control
C00751- C00772	Start up problems and operations - WRP-2 meetings, memos, etc.
C00773- C00787	WRP-2 procedures
C00788- C00802	Secondary CU-1991 review

C00803- C00806	Refinery compliance
C00807- C00808	WRP-2 permit application
C00809- C00815	WRP-2 polymer
C00816- C00825	Scrubber water treatment system construction - WRP-2
*C00826- C00865	Press water - 1,1,1-Trichloroethene sample location 50
C00866- C00886	Main tube mill and related documents
C00887- C00899	Tube mill treatability
C00900- C00941	Extrusion press - Spring 1990 sampling/data gathering project
C00942- C00947	Extrusion press sampling 1989
C00948- C00955	Extrusion press waste water analysis
C00956	Manual entitled "Extrusion Press Compliance Study Spring 1990"

BOX 17
PHASE I AND II STUDY and BMR

C00957	April 5, 1987 waste water characterization program phase 2 - data compilation manual
C00958- C00975	Field Sampling Reports (subject to Confidentiality Agreement)
C00976- C01005	Phase 2 back up documents - first report
C01006- C01017	Phase 2 sampling flow - first report
*C01018- C01057	Waste water sampling documents
*C01058- C01082	Pretreatment compliance plan
C01083- C01095	Phase 1 documents
C01096	May 20, 1987 USEPA inspection and sampling NOTE: No. C00197
C1098- C01102	EPA sampling October 1988
C01103	Effluent guideline survey 1977
C01104- C01106	Production data submittal September 1988
C01107- C01111	BMR March 3, 1987 submittal
C01112- C01115	BMR December 31, 1986 submission
C01116	BMR April 4, 1986 submittal
C01117- C01127	Completion of BMR - back up information

BOX 18
WASTE WATER DOCUMENTS

C01128- C01191	Waste water data
C01192- C01197	1988 and 1984 USEPA sampling studies
C01198- C01244	Technical advisory committee documents (document # 1231 subject to Confidentiality Agreement)
*C01245- C01290	Cerro Copper and Brass documents/water pollution abatement program 1969 through 1971 (C01282 subject to Business Confidentiality Agreement)
C01291- C01321	Water pollution study by Monsanto biodyes for St. Louis works
C01322- C01332	Cerro Copper and Brass Company documents/water pollution abatement 1972 and 1973
*C01333- C01404	Inactive MSDS (Materials Safety Data Sheet)
*C01405- C01444	Transformer/capacitors - PCBs
C01445- C01451	Section 312 - tier 1 report
C01452- C01458	Section 313 - form R report 1987
C01459- C01468	Section 313 - form R report 1988
C01469- C01473	1989 form R report
C01474- C01475	1990 - form R report
C01476- C01496	Storm water - cost recovery (document #C01495-C01496 subject to Confidentiality Agreements)
C01497- C01535	Village of Sauget 1985 sewer bonds Ill. grant

BOX 19
BUILDING 80 AND FOUNDRY WASTE WATER, MISCELLANEOUS
STUDIES ON WASTE WATER H.W. MANIFESTS, OIL USAGE

C01536- C01542	Waste water characterization program reports and related correspondence
C01543- C01544	Building 19 WWTF-AFE
C01545- C01566	Metal moulding and casting - AWARE
C01567- C01588	Metal moulding and casting treatability study (document #C01583 subject to Confidentiality Agreement)
C01589- C01592	Building 19 WWTF - permit application and construction permit
C01593- C01496	Metal moulding and casting final regs
C01597	Metal moulding and casting - 90 day compliance report
C01598- C01612	Building 80 WWTF operating procedures
C01613	Transmittal of revised report on Cerro Building 80
C01614- C01640	Building 80 - treatability run Construetians
C01641- C01648	Building 80 - recycle and treatment system - permit application
C01649- C01655	Waste water reports 1971 (document #C01653 subject to Confidentiality Agreement)
C01656- C01667	Sampling system alternatives for the Village of Sauget and blueprints
C01668- C01707	American bottoms regional treatment documents (document #C01670 subject to Confidentiality Agreement)
C01708- C01713	Creek segment B
*C01714- C01717	Hazardous waste generator annual report - 1990

C01718- C01740	Pole drilling incident documents - September 20, 1989 (document #C01725 and C01726 subject to Confidentiality Agreement)
C01741	PCBs
C01742- C01743	NRDC v. EPA Third Circuit Court
C01744	Village of Sauget regional waste water treatment program - November 1977
C01745- C01748	PCBs - 1991 Transtech/Tipton/Rawlings
C01749- C01768	Clayton Chemical - 1990 uniform hazardous waste manifests
C01769- C01782	Clayton Chemical - 1989 uniform hazardous waste manifests
C01783- C01797	Gateway Petroleum
C01798- C01799	H.W. Generator Annual Report - 1986
C01800- C01801	H.W. Generator Annual Report - 1987
C01802- C01804	Hazardous Waste Generator Annual Report - 1988
C01805- C01811	Hazardous Waste Generator Annual Report - 1989
C01812- C01864	Oil usage document
C01865- C01872	Waste oil pre-1988
C01873- C01878	Waste oil documents - 1989 and 1990
C01879	Metal working lubricant waste oil
C01880- C01886	Waste oils - copper and brass fabricators

BOX 20

C01887	1959 Newsletters
C01888	1960 Newsletters
C01889	Summary of Operations for 1-12/1961
C01890	1962 Newsletters
C01891	1963 Newsletters
C01892	1964 Newsletters
C01893	1965 Newsletters
C01894	1966 Newsletters
C01895	1967 Newsletters
C01896	Summary of Operations for the Month of 8/68
C01897	Summary of Operations for the Month of 9/68
C01898	Summary of Operations for the Month of 10/68
C01899	Summary of Operations for the Month of 11/68
C01900	Summary of Operations for the Month of 12/68
C01901	Summary of Operations for the Month of 1/69
C01902	Summary of Operations for the Month of 2/69
C01903	Summary of Operations for the Month of 3/69
C01904	Summary of Operations for the Month of 4/69
C01905	Summary of Operations for the Month of 5/69
C01906	Summary of Operations for the Month of 6/69
C01907	Summary of Operations for the Month of 7/69
C01908	Summary of Operations for the Month of 8/69
C01909	Summary of Operations for the Month of 9/69
C01910	Summary of Operations for the Month of 10/69
C01911	Summary of Operations for the Month of 11/69
C01912	Summary of Operations for the Month of 12/69

C01913	Summary of Operations for the Month of 1/70
C01914	Summary of Operations for the Month of 2/70
C01915	Summary of Operations for the Month of 3/70
C01916	Summary of Operations for the Month of 4/70
C01917	Summary of Operations for the Month of 5/70
C01918	Summary of Operations for the Month of 6/70
C01919	Summary of Operations for the Month of 7/70
C01920	Summary of Operations for the Month of 8/70
C01921	Summary of Operations for the Month of 9/70
C01922	Summary of Operations for the Month of 10/70
C01923	Summary of Operations for the Month of 11/70
C01924	Summary of Operations for the Month of 12/70
C01925	Summary of Operations for the Month of 1/71
C01926	Summary of Operations for the Month of 2/71
C01927	Summary of Operations for the Month of 3/71
C01928	Summary of Operations for the Month of 4/71
C01929	Summary of Operations for the Month of 5/71
C01930	Summary of Operations for the Month of 6/71
C01931	Summary of Operations for the Month of 7/71
C01932	Summary of Operations for the Month of 8/71
C01933	Summary of Operations for the Month of 9/71
C01934	Summary of Operations for the Month of 10/71
C01935	Summary of Operations for the Month of 11/71
C01936	Summary of Operations for the Month of 12/71
C01937	Summary of Operations for the Month of 1/72
C01938	Summary of Operations for the Month of 2/72
C01939	Summary of Operations for the Month of 3/72

C01940	Summary of Operations for the Month of 4/72
C01941	Summary of Operations for the Month of 5/72
C01942	Summary of Operations for the Month of 6/72
C01943	Summary of Operations for the Month of 7/72
C01944	Summary of Operations for the Month of 8/72
C01945	Summary of Operations for the Month of 9/72
C01946	Summary of Operations for the Month of 10/72
C01947	Summary of Operations for the Month of 11/72
C01948	Summary of Operations for the Month of 12/72
C01949	Summary of Operations for the Month of 1/73
C01950	Summary of Operations for the Month of 2/73
C01951	Summary of Operations for the Month of 3/73
C01952	Summary of Operations for the Month of 4/73
C01953	Summary of Operations for the Month of 5/73
C09154	Summary of Operations for the Month of 6/73
C01955	Summary of Operations for the Month of 7/73
C01956	Summary of Operations for the Month of 8/73
C01957	Summary of Operations for the Month of 9/73
C01958	Summary of Operations for the Month of 10/73
C01959	Summary of Operations for the Month of 11/73
C01960	Summary of Operations for the Month of 12/73
C01961	Summary of Operations for the Month of 1/74
C01962	Summary of Operations for the Month of 2/74
C01963	Summary of Operations for the Month of 3/74
C01964	Summary of Operations for the Month of 4/74
C01965	Summary of Operations for the Month of 5/74
C01966	Summary of Operations for the Month of 6/74

C01967	Summary of Operations for the Month of 7/74
C01968	Summary of Operations for the Month of 8/74
C01969	Summary of Operations for the Month of 9/74
C01970	Summary of Operations for the Month of 10/74
C01971	Summary of Operations for the Month of 11/74
C01972	Summary of Operations for the Month of 12/74
C01973	Summary of Operations for the Month of 1/75
C01974	Summary of Operations for the Month of 2/75
C01975	Summary of Operations for the Month of 3/75
C01976	Summary of Operations for the Month of 4/75
C01977	Summary of Operations for the Month of 5/75
C01978	Summary of Operations for the Month of 6/75
C01979	Summary of Operations for the Month of 7/75
C01980	Summary of Operations for the Month of 8/75
C01981	Summary of Operations for the Month of 9/75
C01982	Summary of Operations for the Month of 10/75
C01983	Summary of Operations for the Month of 11/75
C01984	Summary of Operations for the Month of 12/75
C01985	Material Safety Data Sheets A
C01986	Material Safety Data Sheets B
C01987	Material Safety Data Sheets C

BOX 21

C01988	Summary of Operations for the Month of 1/76
C01989	Summary of Operations for the Month of 2/76
C01990	Summary of Operations for the Month of 3/76
C01991	Summary of Operations for the Month of 4/76
C01992	Summary of Operations for the Month of 5/76
C01993	Summary of Operations for the Month of 6/76
C01994	Summary of Operations for the Month of 7/76
C01995	Summary of Operations for the Month of 8/76
C01996	Summary of Operations for the Month of 9/76
C01997	Summary of Operations for the Month of 10/76
C01998	Summary of Operations for the Month of 11/76
C01999	Summary of Operations for the Month of 12/76
C02000	Summary of Operations for the Month of 1/77
C02001	Summary of Operations for the Month of 2/77
C02002	Summary of Operations for the Month of 3/77
C02003	Summary of Operations for the Month of 4/77
C02004	Summary of Operations for the Month of 5/77
C02005	Summary of Operations for the Month of 6/77
C02006	Summary of Operations for the Month of 7/77
C02007	Summary of Operations for the Month of 8/77
C02008	Summary of Operations for the Month of 9/77
C02009	Summary of Operations for the Month of 10/77
C02010	Summary of Operations for the Month of 11/77
C02011	Summary of Operations for the Month of 12/77
C02012	Summary of Operations for the Month of 1/78
C02013	Summary of Operations for the Month of 2/78

C02014	Summary of Operations for the Month of 3/78
C02015	Summary of Operations for the Month of 4/78
C02016	Summary of Operations for the Month of 5/78
C02017	Summary of Operations for the Month of 6/78
C02018	Summary of Operations for the Month of 7/78
C02019	Summary of Operations for the Month of 8/78
C02020	Summary of Operations for the Month of 9/78
C02021	Summary of Operations for the Month of 10/78
C02022	Summary of Operations for the Month of 11/78
C02023	Summary of Operations for the Month of 12/78
C02024	Summary of Operations for the Month of 1/79
C02025	Summary of Operations for the Month of 2/79
C02026	Summary of Operations for the Month of 3/79
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C02034	Summary of Operations for the Month of 11/79
C02035	Summary of Operations for the Month of 12/79
C02036	Summary of Operations for the Month of 1/80
C02037	Summary of Operations for the Month of 2/80
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C02040	Summary of Operations for the Month of 5/80

C02041	Summary of Operations for the Month of 6/80
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C02044	Summary of Operations for the Month of 9/80
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C02046	Summary of Operations for the Month of 11/80
C02047	Summary of Operations for the Month of 12/80
C02048	Summary of Operations for the Month of 1/81
C02049	Summary of Operations for the Month of 2/81
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C02051	Summary of Operations for the Month of 4/81
C02052	Summary of Operations for the Month of 5/81
C02053	Summary of Operations for the Month of 6/81
C02054	Summary of Operations for the Month of 7/81
C02055	Summary of Operations for the Month of 8/81
C02056	Summary of Operations for the Month of 9/81
C02057	Summary of Operations for the Month of 10/81
C02058	Summary of Operations for the Month of 11/81
C02059	Summary of Operations for the Month of 12/81
C02060	Summary of Operations for the Month of 1/82
C02061	Summary of Operations for the Month of 2/82
C02062	Summary of Operations for the Month of 3/82
C02063	Summary of Operations for the Month of 4/82
C02064	Summary of Operations for the Month of 5/82
C02065	Summary of Operations for the Month of 6/82
C02066	Summary of Operations for the Month of 7/82
C02067	Summary of Operations for the Month of 8/82

C02068	Summary of Operations for the Month of 9/82
C02069	Summary of Operations for the Month of 10/82
C02070	Summary of Operations for the Month of 11/82
C02071	Summary of Operations for the Month of 12/82
C02072	Summary of Operations for the Month of 1/83
C02073	Summary of Operations for the Month of 2/83
C02074	Summary of Operations for the Month of 3/83
C02075	Summary of Operations for the Month of 4/83
C02076	Summary of Operations for the Month of 5/83
C02077	Summary of Operations for the Month of 6/83
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C02080	Summary of Operations for the Month of 9/83
C02081	Summary of Operations for the Month of 10/83
C02082	Summary of Operations for the Month of 11/83
C02083	Summary of Operations for the Month of 12/83
C02084	Summary of Operations for the Month of 1/84
C02085	Summary of Operations for the Month of 2/84
C02086	Summary of Operations for the Month of 3/84
C02087	Summary of Operations for the Month of 4/84
C02088	Summary of Operations for the Month of 5/84
C02089	Summary of Operations for the Month of 6/84
C02090	Summary of Operations for the Month of 7/84
C02091	Summary of Operations for the Month of 8/84
C02092	Summary of Operations for the Month of 9/84
C02093	Summary of Operations for the Month of 10/84
C02094	Summary of Operations for the Month of 11/84

C02095	Summary of Operations for the Month of 12/84
C02096	Summary of Operations for the Month of 1/85
C02097	Summary of Operations for the Month of 2/85
C02098	Summary of Operations for the Month of 3/85
C02099	Summary of Operations for the Month of 4/85
C02100	Summary of Operations for the Month of 5/85
C02101	Summary of Operations for the Month of 6/85
C02102	Summary of Operations for the Month of 7/85
C02103	Summary of Operations for the Month of 8/85
C02104	Summary of Operations for the Month of 9/85
C02105	Summary of Operations for the Month of 10/85
C02106	Summary of Operations for the Month of 11/85
C02107	Summary of Operations for the Month of 12/85
C02108	Summary of Operations for the Month of 1/86
C02109	Summary of Operations for the Month of 2/86
C02110	Summary of Operations for the Month of 3/86
C02111	Summary of Operations for the Month of 4/86
C02112	Summary of Operations for the Month of 5/86
C02113	Summary of Operations for the Month of 6/86
C02114	Summary of Operations for the Month of 7/86
C02115	Summary of Operations for the Month of 8/86
C02116	Summary of Operations for the Month of 9/86
C02117	Summary of Operations for the Month of 10/86
C02118	Summary of Operations for the Month of 11/86
C02119	Summary of Operations for the Month of 12/86
C02120	Summary of Operations for the Month of 1/87
C02121	Summary of Operations for the Month of 2/87

C02122	Summary of Operations for the Month of 3/87
C02123	Summary of Operations for the Month of 4/87
C02124	Summary of Operations for the Month of 5/87
C02125	Summary of Operations for the Month of 6/87
C02126	Summary of Operations for the Month of 7/87
C02127	Summary of Operations for the Month of 8/87
C02128	Summary of Operations for the Month of 9/87
C02129	Summary of Operations for the Month of 10/87
C02130	Summary of Operations for the Month of 11/87
C02131	Summary of Operations for the Month of 12/87
C02132	Summary of Operations for the Month of 1/88
C02133	Summary of Operations for the Month of 2/88
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C02136	Summary of Operations for the Month of 5/88
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C02139	Summary of Operations for the Month of 8/88
C02140	Summary of Operations for the Month of 9/88
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C02142	Summary of Operations for the Month of 11/88
C02143	Summary of Operations for the Month of 12/88
C02144	Summary of Operations for the Month of 1/89
C02145	Summary of Operations for the Month of 2/89
C02146	Summary of Operations for the Month of 3/89
C02147	Summary of Operations for the Month of 4/89
C02148	Summary of Operations for the Month of 5/89

C02149	Summary of Operations for the Month of 6/89
C02150	Summary of Operations for the Month of 7/89
C02151	Summary of Operations for the Month of 8/89
C02152	Summary of Operations for the Month of 9/89
C02153	Summary of Operations for the Month of 10/89
C02154	Summary of Operations for the Month of 11/89
C02155	Summary of Operations for the Month of 12/89
C02156	Summary of Operations for the Month of 1/90
C02157	Summary of Operations for the Month of 2/90
C02158	Summary of Operations for the Month of 3/90
C02159	Summary of Operations for the Month of 4/90
C02160	Summary of Operations for the Month of 5/90
C02161	Summary of Operations for the Month of 6/90
C02162	Summary of Operations for the Month of 7/90
C02163	Summary of Operations for the Month of 8/90
C02164	Summary of Operations for the Month of 9/90
C02165	Summary of Operations for the Month of 10/90
C02166	Summary of Operations for the Month of 11/90
C02167	Summary of Operations for the Month of 12/90

BOX 22

- C02168 Plant - general square area of plant A plat of part of Lots 210, 211, 214, 215, 218, 219 and 222 of the third subdivision of Cahokia Commons also part of Lots 125E and 125F, 126, 127, and 128 and Lots 1, 2, 3, 4, 5, and 6 of a SUBD. of part of Lot 125F and 125G of the Commons Fields of Cahokia, March 8, 1970
- C02169 A plat of part of Lots 210, 211, 214, 215, 218, 219 and 222 of the third subdivision of Cahokia Commons also part of Lots 125E and 125F, 126, 127, and 128 and Lots 1, 2, 3, 4, 5, and 6 of a SUBD. of part of Lot 125F and 125G of the Commons Fields of Cahokia, March 8, 1970
- C02170 A plat of part of Lots 210, 211, 214, 215, 218, 219 and 222 of the third subdivision of Cahokia Commons also part of Lots 125E and 125F, 126, 127, and 128 and Lots 1, 2, 3, 4, 5, and 6 of a SUBD. of part of Lot 125F and 125G of the Commons Fields of Cahokia, March 8, 1970
- C02171 July 6, 1965 Plant layout showing building area in square feet
- C02173 1,000 survey drawings and designs Cerro Copper and Brass Company design layout
- C02174 Design layout of Dead Creek area
- C02175 Cerro Copper and Brass Company design layout
- C02176 Design layout of plant
- C02177 September 30, 1958 letter to F. Dyier from E.C. Weihl, Esq. regarding special warranty deed executed to L. Mathes Company
- C02178 September 30 1958 letter to F. Dyier from E.C. Weihl, Esq. regarding special warranty deed executed to L. Mathes Company (with attachment)
- C02180 Design of Lewin Mathes Company Monsanto, Illinois
- C02181 Design of Village of Monsanto
- C02182 January 19, 1949 map of Darling and Company property revised 10/14/49 and 8/4/53
- C02183 10/12 plant layout east of Dead Creek-Cerro Copper and Brass Company design sheet

C02184 March 8, 1970 A plat of part of Lots 210, 211, 214, 215, 218, 219, and 222 of the third subdivision of Cahokia Commons also part of Lots 125E and 125F, 126, 127, and 128 and Lots 1, 2, 3, 4, 5, and 6 of a SUBD. of part of Lot 12F and 125G of the Common Fields of Cahokia

C02185 October 2, 1980 layout of lot in rear of plant-Cerro Copper Products

C02186 10/12 construction of office building
October 5, 1964 Cerro Copper and Brass Company
general office personnel chart

C02187 10/12 front office revisions
List of offices

C02188 November 1965 report regarding Village of Monsanto, Illinois specifications for the construction of sewerage improvements consisting of the Dead Creek interceptor and pump station in Village of Monsanto prepared by Horner and Schiffrin, December 3, 1965 letter to S.A. Silverstein from G.M. Sallwasser regarding design criteria of the Dead Creek interceptor and pumping station

1102 correspondence and PO

C02189 December 16, 1954 letter to J.W. Goldenburg from P. Tandler regarding treatment plant for tank house boiler water

C02191- December 16, 1954 letter to J.W. Goldenburg from P.
C02192 Tandler regarding treatment plant for tank house boiler water

1102 relocate steam lines

C02193 Sewer plot plant Cerro Copper and Brass Company

1104 deep wells

C02194- Memo regarding iron and steel engineering meeting
C02196 of November 23, 1954 by K. Guth

C02197 Map of wellwater lines 1-A-1 Lewin-Mathes Company

1104 deep wells

C02198 January 24, 1951 memo from P. Tandler regarding miscellaneous elevations

C02199 Map regarding proposed interconnection #4 and #5 deep wells

1104 lift station

C02200 September 8, 1970 letter to W.G. Graff from G.M. Sallwasser regarding Dead Creek pumping station

1104 Illinois State sanitary water bid

C02201- February 25, 1952 letter to E.F. Schweich from C.W.
C02203 Keassen regarding industrial waste inventory prepared by engineer W.E. Budd

C02204 1966 Report regarding groundwater levels and pumpage in the East St. Louis area, Illinois, 1962-1966 by G.E. Reitz, Jr.

C02205 Report of investigation regarding groundwater development in East St. Louis area, Illinois, by R.J. Schicht 1965

C02206 1962 Report of investigation regarding groundwater levels and pumpage in the East St. Louis Area, Illinois, 1890-1961 by R.J. Schicht and E.G. Jones-Illinois State water survey Urbana 1962

C02207 1944-1946 Map showing sewers and water flow - Lewin-Mathes Company

C02208 1956 statistical information regarding the East Side Levy and Sanitary District Madison and St. Clair Counties, Illinois

1104 water survey

C02209 January 23, 1973 letter to P. Tandler from J.L. Jones regarding report of an evaluation of alternatives for reuse or treatment of wastewaters from facility at Sauget

C02210 May 5, 1975 memo from P. Tandler regarding city water leak-plant entrance

C02211 January 23, 1973 report regarding wastewater reuse/treatment/disposal evaluation for Cerro Copper Products Company Sauget, Illinois

1104 reservoir water use and cleaning 1948-1962

C02212 June 29, 1962 memo to J. Lowry from P. Tandler regarding reservoir cleaning and truck maintenance

C02213- February 16, 1960 memo to T.R. Dearden from K. Guth
C02214 regarding pond cleaning

C02215- February 15, 1960 memo to S.A. Silverstein from P.
C02216 Tandler regarding reservoir cleaning

C02217- February 4, 1960 memo to head supervisors regarding
C02218 temporary work in foundry, February 3, 1960 memo to
J. Lowry from P. Tandler regarding reservoir cleaning
project.

C02219 June 25, 1956 memo from P. Tandler regarding water
outage for cleaning the reservoir.

C02220 July 21, 1954 letter to P. Tandler from R.J. Abeln
regarding cooling water settling basin

C02221- May 17, 1954 handwritten memo to M.H. Marx from J.W.
C02224 Goldenburg regarding reservoir

C02225 May 20, 1954 letter to M.H. Marx from J.W. Goldenburg
regarding plant outage for plant maintenance May 27-
31 inclusive

C02226 May 26, 1954 memo to F. Seper and F. Little from P.
Tandler regarding second and third shift in the
preliminary work prior to cleaning the pond

1104 well cleaning

C02227- February 22, 1960 letter to S. Silverstein from J.F.
C02228 Schoch regarding recommendations for the chemical
cleaning and continuous chemical treatment to
stabilize the plant cooling water

C02229 October 1957 technical data sheet NALCO 336

C02230 September 11, 1963 memo with handwritten remarks
regarding well cleaning method

C02231- June 23, 1965 memo to P. Tandler from D. August
C02232 regarding well cleaning and test procedure

C02233 Memo regarding NALCO well cleaning procedure

C02234 Memo regarding NALCO well cleaning procedure

C02235- October 19, 1954 letter to J.W. Goldenburg from W.H.
C02237 and L.D. Betz regarding treatment of water for the
proposed boiler and cooling systems

C02238- August 31, 1954 water analysis from the laboratories
C02241 of W.H. and L.D. Betz

C02242- Lewin-Mathes Company boiler water, cooling tower
C02248 water, and condensor cooling water treatment, May 22,
1959 personal service report

C02249- February 1960 standard water analysis from Lewin-
C02251 Mathes, NALCO well cleaning procedure

1104 water treatment

C02252 Lewin-Mathes Company boiler water, cooling tower
water, and condensor cooling water treatment report

C02253 Lewin-Mathes Company boiler water, cooling tower
water, and condensor cooling water treatment report

1105 13.8KV plant buyout

C02254 13.8KV plant layout (electrical) map of same

1106 video tape-ten inch lateral sewer (interceptor)

C02255- Stamp Sewer and Pipe Cleaning, Inc. summary report
C02256 Cerro Copper Products

C02257 January 25, 1967 drawing regarding meter location and
piping diagram for city water

1700 sprinkler systems electrical and piping
information

C02258 Drawing regarding underground power distribution
lines, city water lines, sewer lines and underground
telephone and intercom lines to power lines

1700 miscellaneous

C02259 Drawing regarding underground power distribution
lines, city water lines, sewer lines and underground
telephone and intercom lines to power lines

1700 factory

C02261 October 2, 1953 letter to Arkwright Mutual Fire
Insurance Company from E.F. Schweik regarding
Hierman's regular inspection of September 18

C02262- September 29, 1953 letter to E.F. Schweik from W.R.
C02265 Flowers regarding regular inspection report
Mississippi Avenue East St. Louis

C02266- July 23, 1953 letter to E.F. Schweik from F.C.
C02271 Alderson regarding regular inspection report East St.
Louis

C02272 May 19, 1953 letter to F.C. Alderson from E.F.
Schweik regarding W.D. Snow's report

C02273- March 1953 factory mutual engineering division
C02276 inspection report

C02277- December 4, 1952 factory mutual engineering division
C02279 inspection report

C02280- September 29, 1952 factory mutual engineering
C02283 division inspection report

C02284- May 17, 1952 letter to M.H. Marx from J.R. Hubbard
C02288 regarding report on inspection of the Lewin Metals
Corporation Plant by the Factory Mutual Insurance
Company representative

C02286- February 29, 1952 letter to M. Marx from E.F. Schweik
C02288 regarding inspection report by Factory Mutual
Insurance Company

C02289- October 12, 1951 letter to E.F. Schweik from J.R.
C02293 Brashears regarding October 10, 1951 letter to E.F.
Schweik from M.C. Donnelly regarding mimeographed
form covering weekly inspections of fire protective
equipment for approval

C02294- March 28, 1951 factory mutual engineering division
C02295 inspection report

C02296- March 2, 1951 memo to J. Goldenburg from E.F. Schweik
C02297 regarding letter from factory mutual, March 1, 1951
letter to E.F. Schweik from J.R. Garber regarding the
use of kerosene

C02298- November 20, 1950 factory mutual engineering division
C02300 inspection report

C02301- August 29, 1950 memo to J. Goldenburg from E.F.
C02303 Schweik regarding attached August 4, 1950 factory
mutual engineering division special inspection report

C02304- July 28, 1950 letter to J. Goldenburg from E.F.
C02305 Schweik regarding July 27, 1950 letter to E.F.
Schweik from C.M. Roos regarding fire hydrant at
Lewin Metals plant site

C02306- October 28, 1949 memo to J. Goldenburg and M. Marx
C02308 from E.F. Schweik regarding report of the
investigation on the Annealing furnace explosion

C02309- September 8, 1949 factory mutual engineering division
C02310 inspection report

C02311- June 27, 1941 Associated Factory Mutual Fire
C02313 Insurance Company regular inspection report

C02314- June 14, 1949 factory mutual engineering division
C02316 special inspection

C02317- February 1, 1950 factory mutual engineering division
C02321 inspection report with pump test data

C02322- April 6, 1949 Associated Factory Mutual Fire
C02323 Insurance Company regular inspection report

C02324 March 15, 1948 letter to E.F. Schweik from J.W.
Gruickshank regarding receipt of drawings showing the
pump layout for Monsanto plant

C02325- April 6, 1948 Associated Factory Mutual Fire
C02327 Insurance Company regular inspection report

C02328- October 12, 1948 Associated Factory Mutual Fire
C02334 Insurance Company regular inspection report and
diagram of plant

C02335- January 17, 1949 Associated Factory Mutual Fire
C02336 Insurance Company regular inspection report

C02337 October 1, 1951 letter to M. Marx and J. Goldenburg
from E.F. Schweik regarding misconcerting report from
Factory Mutual

C02338- September 5, 1951 Factory Mutual Engineering Division
C02341 inspection report

C02342- Page 3 of letter attaching diagram
C02343

C02344- January 19, 1948 letter to J.W. Goldenburg from E.F.
C02346 Schweik regarding Associated Factory Mutual Company's
inspection report of December 31, 1947

C02347 Sketch of plant

C02348- July 24, 1947 Associated Factory Mutual Fire
C02350 Insurance Company regular inspection report

C02351- September 16, 1946 Associated Factory Mutual Fire
C02353 Insurance Company's regular inspection report

C02354- December 31, 1945 Associated Factory Mutual Fire
C02356 Insurance Company's regular inspection report

C02357- October 13, 1945 letter to J. Goldenburg from E.F.
C02359 Schweik regarding October 3, 1945 letter to H.C.
Jones from E.F. Cooke regarding proposed changes to
protect the building from exposure to transformer oil
fires

C02360- September 6, 1945 special inspection to Arkwright
C02363 Mutual Fire Insurance Company from Factory Mutual
Fire Insurance Company regarding fire protection
improvements

C02364 September 29, 1955 letter to R.R. Speakman from C.A.
Jekel regarding review of proposed installation of
approximately 57 automatic spray sprinklers enjoining
the south end of the two mill shipping building

C02365- September 30, 1955 letter to E.F. Schweik from D.W.
C02367 Fields regarding F.B. Belleau special inspection
report concerning visit on September 13, 1955 to
review fire hose connections attaching inspection
report regarding same

C02368- July 29, 1955 letter to J. Goldenburg to E.F.S.
C02373 regarding July 26, 1955 letter to E.F. Schweik from
C.A. Forrest regarding July 6, 1955 fire insurance
inspection report

C02374- March 24, 1955 letter to M. Marx from E.F.S.
C02378 regarding report from Factory Mutual Engineering
Division covering east side location attaching same

C02379- Hooker Electrochemical Company information on fire-
C02380 snuf

C02381- March 3, 1955 letter to P. Tandler from L. Cresson
C02386 regarding plastic building materials for side walls
and roofs of buildings

C02387- December 16, 1954 letter to E.F. Schweik from C.A.
C02390 Forrest regarding special inspection report by R.W.
Leutzingner on review of existing fire safety
conditions attaching same

C02391- January 24, 1955 letter to B. Lewin from E.F.S.
C02394 regarding Factory Mutual report covering Monsanto
dated December 7, 1954

C02395- April 22, 1954 letter to G.A. Forrest from E.F.
C02401 Schweik regarding installation of the automatic
sprinklers in Building #5, April 20, 1954 letter to
E.F. Schweik from C.A. Forrest regarding report by
A.W. Hierman review fire safety conditions attaching
same

C02402- January 11, 1954 letter to J. Goldenburg from E.F.S.
C02407 regarding January 7, 1954 letter to E.F. Schweik from
C.A. Forrest regarding regular inspection report,
December 22, 1953 fire insurance inspection report

C02408- July 12, 1946 letter to J.W. Goldenburg from E.F.
C02409 Schweik regarding Factory Mutual's approval of
drawing of June 24, 1946 showing the proposed change
in the pump house piping attaching same

C02410 Diagram of the Lewin-Mathes Company, et al. Monsanto
plant

C02411- October 11, 1945 Factory Mutual Fire Insurance
C02415 Company special inspection report attaching diagram

C02416- September 10, 1951 report on the fire protection
C02417 system in the shipping building

C02418 Diagram regarding Lewin-Mathes Company Mississippi
Avenue and A&S RR

C02419- May 28, 1945 Associated Factory Mutual Fire Insurance
C02421 Company regular inspection report

C02422 June 18, 1945 letter to Meyer from E.F. Schweik
regarding inspection report indicating
recommendations on water mains for fire protection
that should be provided throughout the plant

C02423- September 16, 1944 letter to M. Marx from E.F.
C02424 Schweik regarding suggestions in last inspection
report to improve fire safety

C02425 Wiring diagram for material handling section
September 13, 1974

C02426 Wiring diagram for pyranols

C02427 Wiring diagram-scrubber and recirculation system
August 27, 1975

C02428 Wiring diagram combustion zone

C02429 Wiring diagram ignition zone October 1, 1974

C02430 Wiring diagram

C02431 July 17, 1974 process control display

C02432- September 12, 1945 fire inspection report by J.W.
C02434 Cruickhank, J.W. Goldenburg and E.F. Schweik

C02435- June 18, 1945 Factory Mutual Fire Insurance Company
C02437 special inspection report

1100 locker room survey

C02438 Diagram of locker rooms September 1978

1105 transformer

C02439 July 11, 1988 letter to L. Gregory from D.L. Azbill regarding overtime charges for transformer replacement

C02440 Transformer consultants sheet regarding name plate data, visual inspections and liquid screen test data

C02441 Two mill transformer replacement data

C02442 June 11, 1987 transformer consultants sheet regarding name plate data visual inspection PCB content liquid screen test data

C02443 March 14, 1988 Westinghouse Electric Corporation transmittal sheet

C02444 Memo regarding Westinghouse maintenance service

C02445 Westinghouse Electric Corporation renewal parts data

C02446 Westinghouse Electric Corporation renewal parts data

C02447 Westinghouse Electric Corporation renewal parts data

C02448- Westinghouse Electric Corporation PCB service
C02450 information

C02451 January 14, 1988 letter to L. Gregory from D.L. Azbill regarding PCB transformer replacement vs. reclassification

C02452 February 18, 1988 memo to P. Tandler from R.E. Conreaux regarding tube mill transformer replacement

C02453 Westinghouse 15KV bushing, type RJ standards sheet

C02454 Westinghouse 3 phase oil insulated substation transformer sheet

C02455 April 28, 1988 Westinghouse Electric Corporation transmittal sheet

C02456 Environmetrix analysis result of PCBs in oil November 17, 1986

C02457 March 12, 1986 Environmetrix analysis results of PCBs in oils

C02458 February 5, 1988 letter to L. Gregory from D.L. Azbill regarding PCB transformer replacement vs. reclassification

C02459 February 29, 1988 purchase order by Cerro Copper/D. Dorem

C02460 Westinghouse 3 phase oil insulated substation transformer sheet

C02461 March 4, 1988 phone message to L.G. from D. Azbill regarding transformers

C02462 June 30 phone message to L.G. from Burt regarding PCB transformers

C02463 5/88 handwritten memo regarding Westinghouse information

C02464- February 8, 1988 letter to L. Gregory from D.L. Azbill regarding transformer location attaching selling policy
C02466

C02467 May 23, 1988 transformer consultants sheet regarding name plate data visual inspection liquid screen test data

C02468 Programmed engineering drawing

C02469- Westinghouse diagrams
C02472

C02473 Westinghouse diagram regarding transformers

C02474- Westinghouse diagrams
C02475

C02476 Westinghouse programmed development engineering drawing January 7, 1983

C02477 Westinghouse diagram regarding transformers April 21, 1988

C02478- January 22, 1988 fax sheet to Mike from M.D.M. Transformer Company regarding attached diagrams and dry type transformers information
C02485

C02486 2/24 phone message to L.G. from B. Meller regarding Jefferson-dry type 2500 KVA transformer

C02487- February 17, 1988 authority for expenditure sheet approved by R.E. Conveaux, H.L. Schweik, etc.
C02488

C02489- May 26, 1988 small power transformer division certified transformer test report approved by L. Allen
C02491

C02492- June 15, 1988 letter to B. Penrose from L. Gregory
C02495 regarding transformer replacement attaching oil test reports performed on the transformers

C02496 August diagram regarding sewer location southwest corner control center

C02497- Wabash Drilling Company suggested sample
C02500 specifications

C02501- April 7, 1959 letter to E.F. Schweik from G. Anderson
C02503 regarding copies of boring report covering the soil test borings

C02504- March 20, 1959 letter to Lewin-Mathes from Raymond
C02505 Test Borings regarding test boring (portions of document are illegible)

C02506- March 20, 1959 letter to Lewin-Mathes from G.
C02509 Anderson regarding standard boring proposal

C02510 August 1959 diagram regarding anode casting department sewers catch basins and drains

1106 Village of Monsanto sewerage systems

C02511 September 8, 1970 letter to W.G. Graff from G.M. Sallwasser regarding Dead Creek pumping station in Sauget

C02512 Diagram regarding Village of Monsanto Falling Springs Road sewage pumping station alteration-1948

C02513 1948 diagram regarding Village of Monsanto Little Avenue sewer ext.

C02514 1952 diagram regarding Village of Monsanto Illinois plan and profile of existing sewers

C02515 September 1952 diagram regarding Village of Monsanto Illinois plan and profile of existing sewers

C02516 September 1952 diagram regarding Village of Monsanto Illinois plan and profile of existing sewers

C02517 November 1965 diagram regarding Village of Monsanto sewerage improvements Dead Creek interceptor plan and profile

C02518 November 1965 diagram regarding Village of Monsanto sewerage improvements Dead Creek interceptor plan and profile

C02519 November 1965 diagram regarding Village of Monsanto sewerage improvements Dead Creek interceptor plan and profile

C02520 November 1965 diagram regarding Village of Monsanto sewerage improvements Dead Creek interceptor plan and profile

C02521 November 1965 diagram regarding Village of Monsanto sewerage improvements Dead Creek interceptor plan and profile

C02522 November 1965 Village of Monsanto sewerage improvements Dead Creek pumping station plan and section

C02523 November 1965 Village of Monsanto sewerage improvements Dead Creek pumping station sections and details

C02524 November 1965 diagram regarding Village of Monsanto sewerage improvements Dead Creek junction chamber and manhole details

C02525 November 1965 diagram regarding Village of Monsanto sewerage improvements Dead Creek interceptor plan and profile

1106 miscellaneous

C02526- April 30, 1964 memo to S.A. Silverstein from P.
C02529 Tandler regarding Mayor's industrial advisory committee meeting April 28, 1964

C02530 September 5, 1962 memo to S. Silverstein from K. Guth regarding sewage plant, Village of Monsanto

C02531- December 12, 1962 memo to T.R. Dearden from K. Guth
C02532 regarding sewerage-treatment plant-Village of Monsanto

C02533- January 15, 1962 letter to J.W. Goldenburg to K. Guth
C02534 regarding storm water and maximum flow in sewers

C02535- October 26, 1951 letter to J.W. Goldenburg from S.H.
C02540 Hefner regarding duplicate copies of approved division of highway's permit to install operate and maintain a 24 inch reinforced concrete pipe sewer line, October 5, 1951 letter to F.H. Hefner from J.W. Goldenburg regarding installation of a sewer from their plant to the new 24 inch sewer being constructed by the Village of Monsanto attaching permits

C02541 September 5, 1962 memo to S. Silverstein from K. Guth regarding sewage plant, Village of Monsanto

C02542 September 5, 1962 memo to S. Silverstein from K. Guth regarding sewage plant, Village of Monsanto

C02543 September 5, 1962 memo to S. Silverstein from K. Guth regarding sewage plant, Village of Monsanto

C02544-
C02558 Various handwritten notes, September 22, 1959 memo to E.F. Schweik from K. Guth regarding sewerage treatment, handwritten notes regarding sewerage treatment

C02559-
C02564 Tables regarding allocation of construction costs between phenol-acid bearing wastes and metal bearing wastes, estimated quantities of waste materials to be treated, allocation of costs chargeable to flow and waste characteristics, unit charges for waste characteristics and anticipated revenue from industries

C02565-
C02566 December 12, 1962 memo to T.R. Dearden from K. Guth regarding sewerage-treatment plant-Village of Monsanto

C02567-
C02571 State of Illinois Department of Public Works and Buildings Division of Highway Permit Bond

C02572 July 16, 1956 letter to S.A. Silverstein from P. Tandler regarding proposed 24 inch sewer from lowline dock to reservoir

C02573 February 26 letter to J.W. Goldenburg from K.A. Guth regarding expected flow from sewers

C02574 List of wastewater samples

C02575 December 1, 1960 memo to T. Dearden from K. Guth regarding sewers

C02576 December 5, 1960 memo to T. Dearden from S.A. Silverstein regarding sewers-K. Guth memorandum December 1, 1960

C02577 March 21, 1961 memo to C.A. Schmidt from K.A. Guth regarding bids for sewer for #3 billet furnace

C02578 May 2, 1950 purchase order Lewin-Mathes Company

C02579 March 13, 1961 letter to K. Guth from W. Maag regarding estimate to furnish and install sewer pipe, concrete pit, remove and replace existing concrete slab

C02580- October 25, 1959 news article entitled Pollution
C02584 Abatement Problem Here

C02585- November 16, 1960 memo to E.F. Schweik from S.A.
C02589 Silverstein regarding sewerage treatment program
 attaching appendix (illegible)

C02590 February 14, 1961 letter to J.S. Bethel from S.A.
 Silverstein regarding consultation with Dr. Sawyer

C02591- February 22, 1961 memo to E.F. Schweik from S.A.
C02592 Silverstein regarding sewage pollution abatement

C02593- March 7, 1961 letter to R.K. Carpenter, S.A.
C02596 Silverstein and H.R. Irwin from C.N. Sawyer regarding
 wastewater disposal problems

C02497- October 13, 1961 memo to C.W. Klassen from L. Sauget,
C02600 Mayor regarding minutes of meeting at Monsanto
 October 10, 1961

C02601- July 18, 1960 letter to K. Guth from C. Sawyer
C02602 regarding adequacy of the 24 inch line to Mississippi
 Avenue to carry the flow of waste from present
 pumping station and proposed pumping station

C02603- August 10, 1960 memo to E.F. Schweik from S.A.
C02604 Silverstein regarding sewage treatment meeting

C02605- June 4, 1960 memo to K. Guth from S.A. Silverstein
C02606 regarding sewer survey

C02607- Handwritten notes regarding Queeny Avenue storm
C02608 sewer-1947, survey on Dead Creek May 19, 1959

C02609 August 21, 1959 letter to Mr. Guth from W. Maag
 regarding cost to furnish and install new six inch
 extra heavy soil pipe

C02610 August 21, 1959 letter to Mr. Guth from W. Maag
 regarding cost to furnish and install new six inch
 extra heavy soil pipe

C02611 Diagram of Lewin-Mathes Company and area

C02612- September 22, 1959 memo to E.F. Schweik from K. Guth
C02613 regarding sewerage treatment

C02614- August 24, 1959 memo to E.F. Schweik from S.A.
C02615 Silverstein regarding Monsanto area sewerage
 treatment

C02616 September 28, 1959 memo to S.A. Silverstein from E.F. Schweik regarding sewerage treatment-municipal problem and Village of Monsanto should handle by taxing people who will enjoy the privilege

C02617-
C02618 January 18, 1960 memo to E.F. Schweik from K. Guth regarding Monsanto area sewerage treatment

C02619 January 19, 1960 letter to J. Goldenburg from K.A. Guth regarding K.A. Guth as contact man for Lewin-Mathes Company

C02620-
C02638 Various handwritten notes and handwritten letter to E.F. Schweik to K. Guth regarding sewerage treatment

C02639-
C02647 Letter to E. Schweik to K. Guth regarding Medcalf and Eddy sewer survey for the Village of Monsanto

C02648-
C02650 July 21, 1960 letter to K. Guth from C.N. Sawyer regarding method of handling and treating the waste from Monsanto Village

C02651-
C02658 Letter to E. Schweik from K. Guth regarding Medcalf and Eddy sewer survey for the Village of Monsanto

C02659-
C02660 Lewin-Mathes Company 24 inch sewer project attaching diagram regarding same

C02661 February 14, 1973 diagram regarding existing (Cerro-rear) lift station-planned view and sections

C02662 December 13, 1967 Cerro Copper and Brass Company sewer plot plan

C02663 February 8, 1947 diagram regarding Queeny Avenue storm sewer

C02664 Village of Monsanto sewer system - 1962

1106 24 inch sewer project

C02665-
C02676 Lewin-Mathes Company 24 inch sewer project

C02667-
C02697 September 21, 1962 design report upon wastewater treatment for the Village of Monsanto by Medcalf and Eddy Engineers

1106 summary of Lewin-Mathes Company flow data

C02698 1960 summary of Lewin-Mathes Company flow data of Mississippi Avenue sewer

C02699 1960 summary of Lewin-Mathes Company flow data of control building sewer

C02700 1960 Lewin-Mathes Company summary of flow data of control building sewer

C02701 1960 Lewin-Mathes Company summary of flow data of Mississippi Avenue sewer

1960 Lewin-Mathes Company summary of flow data of Mississippi Avenue sewer

C02703- Handwritten notes regarding meeting of the industrial
C02706 waste counsel of St. Louis-east side areas

C02707 1960 summary of flow data sewer at Dead Creek and Alton and Southern Track

C02708 1960 summary of flow data sewer at Plant Road and Dead Creek

C02709 1960 lift station sewers

C02710 1960 lift station sewers

C02711 Monsanto - Lewin-Mathes chemical analysis of wastes-1

C02712 Monsanto - Lewin-Mathes chemical analysis of wastes-2

C02713 Monsanto - Lewin-Mathes chemical analysis of wastes-3

C02714 Monsanto - Lewin-Mathes chemical analysis of wastes-4

C02715 Monsanto - Lewin-Mathes chemical analysis of wastes-6

C02716 Monsanto - Lewin-Mathes chemical analysis of wastes-5

C02717 Monsanto - Lewin-Mathes chemical analysis of wastes-7

C02718 Handwritten memo to J.T. Garrett

C02719 Memo by R.C. Marquart regarding the industrial waste counsel of St. Louis-east side areas advance notice of meeting

C02720 Handwritten notes (may be a continuation of C02718)

C02721 Memo regarding advance program "water pollution workshop" November 3, 1960

C02722 Memo regarding program "water pollution workshop" November 3, 1960

C02723 Handwritten notes

C02724 Handwritten notes

C02725 B. Claywell file folder

C02726- April 15, 1988 engineering request
C02728

C02729- March 1989 project report by R. Claywell, Jr.
C02730

C02731- April 1989 project report by R. Claywell, Jr.
C02733

C02734 R. Brown file folder

C02735 June 9, 1986 memo to R. Brown from R.E. Conreaux
 regarding plant cooling tower and boiler treatment

C02736- June 3, 1986 letter to R. Brown from D. Simberger
C02737 regarding review of current mogul water treatment
 programs

C02738 May 29, 1986 memo to R. Conreaux, T. Cornwell, R.
 Thompson, R. Faries, D. O'Neal, T. West, J. Davis, L.
 Erwin, J. Ferrell, B. Groves, B. Novack, J.
 Sundstrom, G. Perschbacher, E. Perschbacher, G.
 Graham, G. Schmieg and T. Young from R. Brown
 regarding replacement of valve on 8 inch water main
 at front entrance

C02739 June 3, 1986 memo to P. Tandler from J. Hintz
 regarding waste treatment monitoring

C02740 Closed AFE's 1989

C02741 August 14, 1989 purchase requisition

C02742- July 28, 1989 letter to P. Tandler from A.F. Lisanti
C02751 regarding engineering proposal for storm water
 project attaching engineering costs estimate 1989
 rate schedule and general terms and conditions

C02752- October 17, 1990 fax sheet to J. Hintz from D. Korte,
C02758 October 15, 1990 letter to J. Hintz from D. Korte
 regarding cost breakdown for sanitary collection and
 pumping facilities project

C02759 January 11, 1990 memo to J. Burroughs from J.M. Grana
 regarding process flow pumping at west pump station
 during construction of storm water system

C02760-
C02765 Photocopy of business cards of the Dead Creek remediation team consisting of P. Tandler, J. Hintz, J. Grana, J. Patterson, C.J. Schafer and R. Avendt, Cerro Copper Products design and engineering consultant selection criteria, storm water interceptor and retention basin and process water repiping project scope and work, August 24, 1989 diagram of Cerro Copper Products storm water collection and pumping system preliminary flow diagram option 1, August 24, 1989 Cerro Copper Products storm water collection and pumping system preliminary flow diagram option 2, August 24, 1989 Cerro Copper Products storm water collection and pumping system preliminary flow diagram option 3

C02766 July 13, 1989 diagram regarding Cerro Copper cross sections

C02767 July 14, 1989 drawing regarding Cerro Copper Products station sections

C02768 August 1981 diagram regarding storm sewer improvements

C02769 July 1987 diagram regarding storm water creek topographic survey storm sewer study Cerro/creek alternate

C02770 November 1965 diagram regarding Village of Monsanto sewerage improvements Dead Creek interceptor plan and profile

C02771 November 1965 diagram regarding Village of Monsanto sewerage improvements Dead Creek interceptor plan and profile

C02772 November 14, 1976 diagram regarding plant layout showing building area in square feet and date constructed Cerro Copper Products

C02773 File 2200-E, G

C02774 January 6, 1966 memo regarding well cleaning method

C02775 File 2400 Brule incinerator

C02776 January 5, 1972 memo to J.W. Goldenburg from P. Tandler regarding oil burning at incinerator

C02777-
C02778 December 29, 1971 letter to E.T. Sherwin from J.W. Goldenburg regarding Brule FG4-36 incinerator system

C02779- March 10, 1971 handwritten letter to J.W. Goldenburg
C02780 from D.L. Cornell regarding waste oil incineration

C02781 November 16, 1971 handwritten letter to J.W.
Goldenburg from D. Cornell regarding oil burner-Brule
incinerator

C02782 October 13, 1971 handwritten memo regarding telephone
conversation with E. Sherwin of Brule

C02783 October 12, 1971 handwritten memo regarding list of
events with oil burner

C02784- October 4, 1971 handwritten letter to J.W. Goldenburg
C02786 from D.L. Cornell regarding oil burner-Brule
incinerator

C02787 September 21, 1971 letter to J. Goldenburg from P.S.
Sharpe regarding parts to put burner back in
operation

C02788 September 18, 1971 handwritten letter to P. Tandler
from J.W. Goldenburg regarding Brule incinerator

C02789 September 23, 1971 handwritten memo regarding oil
burner test

C02790 September 1, 1971 letter to P.S. Sharpe from J.W.
Goldenburg regarding continuing problems on
incinerator installation

C02791 August 17, 1971 memo to G. Nobles from L. Stern
regarding turn down of proposed application for
burning 50-60 gallons per hour of waste oil

C02792- March 17, 1971 letter to E.T. Sherwin from D.L.
C02793 Cornell regarding oil burner system and over
temperature switch

C02794 March 5, 1971 letter to Mr. Graff from R.M. Ferris
regarding report of tests

C02795 March 9, 1971 letter to Mr. Graff from R.M. Ferris
regarding report of tests

C02796 Chart regarding specifications

C02797- March 16, 1971 letter to W.E. Dunnick from R.S.
C02798 French regarding permit granting operation of FG4-36
incinerator

C02799 March 15, 1971 illegible memo

C02800 2205 #4 feeder high-voltage replacement (1980)

C02801- November 17, 1981 memo to file from J.C. Johnson
C02802 regarding review of #4 feeder incident

C02803 February 25, 1981 memo to J. Johnson from M. Saville
regarding #4 feeder failure

C02804 February 23, 1981 memo to file from J.C. Johnson
regarding 3M spliced joints

C02805- February 13, 1981 memo to file from J.C. Johnson
C02806 regarding #4 feeder - power loss

C02807- July 30, 1980 memo to J. Johnson from D. Maisel
C02813 regarding #4 high voltage feeder attaching test
results

C02814 File folder 2212 central maintenance oil storage

C02815 October 17, 1978 diagram regarding layout of oil drum
storage area southeast of central maintenance

C02816 October 17, 1978 diagram regarding layout of oil drum
storage area southwest of central maintenance

C02817 October 17, 1978 layout of oil drum storage area
southeast of central maintenance

C02818 November 16, 1978 memo to J. Johnson from A.
Hebenstreit regarding unloading dock drum storage
area

C02819 Handwritten note regarding estimated cost of
unloading dock for drum storage area

C02820 File folder 2112 vents-roof fans

C02821 Cerro Copper and Brass Company departmental code for
plant areas

C02822 June 25, 1979 Cerro Copper and Brass Company
departmental code for plant areas

C02823 June 25, 1979 Cerro Copper and Brass Company
departmental code for plant areas

C02824 File folder 2211 miscellaneous

C02825- September 30, 1965 purchase order to Farrar Pump and
C02826 Machinery Company from Cerro Copper Brass Company

C02827- September 23, 1965 letter to N. Hancock from T.L.
C02830 Jokerst regarding "on parts for deming figure sump
pump"

C02831 File folder 2100 plating room exhausts

C02832- November 30, 1955 letter to E.F. Schweik from R.G.
C02833 Shumm regarding exhaust hood for stripping tanks and
cleaning tanks

C02834 November 22, 1955 diagram regarding exhaust nozzles
for stripping and cleaning tanks

C02835 File folder Horner and Shifrin anode cooling

C02836 Business card of F. Hall of Horner and Shifrin

C02837 November 1982 general requirements (technical
specifications) for Cerro Copper sewer revisions
prepared by Horner and Shifrin

C02838- Drawings and diagrams
C02840

C02841- Test instructions for Adams AWS automatic water
C02847 strainer

C02848 February 26, 1982 memo to R.E. Conreaux from J.
Shuster regarding blow down samples-#3 AP system

C02849 Cerro Copper Products schematic flow diagram anode
cooling system April 1982

C02850- January 14, 1983 feasibility of recycling quench
C02873 water for anode casting

C02874- September 1981 memo to S. McWilliams, J. Molloy, P.
C02882 Tandler, W.L. Smull, L. Sprandel, R. Wigger, P.
Heisler, P. Sauget, R.C. Reinhardt, and S. Smith
regarding 1981 expense categories and amounts due
from each user

C02883- Charts totaling usage of users
C02886

C02887 September 1981 total plant loading

C02888 September 1981 chart regarding total usage of users

C02889 September 1981 totals of users

C02890 November 1981 time sheet supplement for G. Sallwasser

C02891 December 1981 time sheet supplement for H.B. Hinchman

C02892- January 11, 1982 feasibility of recycling quench
C02907 water for anode casting

C02908- C02910	1981 handwritten notes regarding sewerage treatment costs
C02911	Village of Sauget water and contaminant balance chart
C02912	December 1, 1981 memo to D. Cornell from J. Shuster regarding well water analysis
C02913	December 1, 1981 memo to D. Cornell from J. Shuster regarding well water analysis
C02914	May 26, 1981 memo to R. Brown from J. Shuster regarding pond residue analysis
C02915	December 12, 1980 memo to R. Brown from J. Shuster regarding well water analysis
C02916	Handwritten chart regarding water usage/effluent control chart
C02917	July 7, 1977 to A. Suhre from J. Shuster regarding wastewater analysis
C02918	Packet of repeater cards 1989
C02919	Packet of repeater cards 1979
C02920- C02921	Handwritten chart regarding usage information
C02922	Packet of repeater cards 1990
C02923	Handwritten notes
C02924	Packet of repeater cards 1988
C02925	Packet of repeater cards 1986
C02926	Packet of repeater cards 1982
C02927	Packet of repeater cards 1990
C02928	Packet of repeater cards 1978
C02929	Packet of repeater cards 1970
C02930	File folder 3222 sludge removal
C02931- C02938	October 2, 1972 letter to W.G. Graff from J.F. Benkovich regarding literature requested on the hydroscreen attaching brochure, 3 installation drawings and application data sheet

C02939- January 17, 1972 memo to J.W. Goldenburg from B.
C02940 Graff regarding anode sludge recovery system
attaching schematic of sludge recovery system

C02941 December 1971 memo to B. Conreaux from B. Graff
regarding settling tank #6 billet effluent

C02942 December 23, 1971 memo to W. Graff from R.E. Conreaux
regarding settling test-#6 billet effluent

C02943 December 4, 1970 expenditure approval request by R.E.
Conreaux

C02944 December 4, 1970 drawing regarding proposed settling
tank for scrubbers

C02945 File folder 3222 pollution control

C02946- April 26, 1973 memo to W.P. Lorenz from P. Tandler
C02959 regarding sewer flow measurements attaching technique
used by Monsanto in determining sewer flows using the
the lithium chloride dilution dated February 1969

C02960 March 28, 1977 memo to A. Suhre and D. Deatherage
regarding EPA non-ferrous metals industry study

C02961 March 25, 1977 letter to P. Tandler from G.R.
Aronberg regarding EPA non-ferrous metals industry
study

C02962- March 28, 1977 letter to P. Tandler from J.C. Buzzell
C02963 regarding EPA non-ferrous metals industry study

C02964- May 17, 1971 memo to J.A. Staples from R.E. Conreaux
C02965 regarding settling of the air pollution system solids

C02966 May 5, 1971 memo to P. Tandler from W. Lorenz
regarding analytical results from settling tank
experiment

C02967 December 23, 1971 memo to W. Graff from R.E. Conreaux
regarding settling test-#6 billet effluent

C02968 October 12, 1976 memo to R. Conreaux, T. Cornwell, R.
Groves, C. Hummel, and A. Suhre from P. Tandler
regarding pond cleaning and residue treatment and
disposition

C02969- Article regarding aerated lagoons-an economical
C02970 solution by R.A. Kormanik

C02971 Drawing regarding anode and pond area process water
clarification, cooling and recycling

C02972 File folder 3361 rectifyer instrument

C02973- January 27, 1977 memo to P. Tandler from R.E.
C02975 Conreaux regarding tank house maintenance work,
 January 26, 1977 major work items-tank house (not
 including engineering projects), 2/4/77 message
 regarding tank house

C02976 January 25, 1967 meter location and piping diagram
 for city water

C02977 April 12, 1978 run out trough and concrete tank plan
 and sections water piping and drains

C02978 File folder 4521 D.C. casting-lapp pulsa-feeder

C02979- Memo regarding specifications for deep well turbine
C02981 pumps water lubricated

C02982 Drawing of Dead Creek area

C02983 File folder 3464 (1700) tin dryer drive

C02984- September 2, 1980 memo to P. Tandler from R.E.
C02988 Conreaux regarding slimes processing and effluent
 treatment repairs, replacment and improvements

C02989- Handwritten notes regarding metal runout tank
C02993 concrete tank, etc.

C02994 File folder #3 press foundation

C02995- December 20, 1973 investigation of foundation
C03021 extrusion press #3 Cerro Copper Products prepared by
 McClelland Engineers, Inc. geotechnical consultants

C03022 File folder cooling water 6204 Building 80 Tom
 O'Connors files

C03023- Miscellaneous heat loss data and technical data
C03028

C03029- Information on power required for pumping and oil
C03034 flow capacity of pipes

C03034- Pressure drop in liquid lines for turbulent flow,
C03036 crane water flow tests and velocity of liquid in
 pipes

C03037- Calculating methods and technical data
C03043

C03044- Nomenclature and theory of flow in pipes
C03052

C03053- June 26, 1975 letter to T. O'Connor from J.S. Cell
C03055 regarding inspection of machinery

C03056- Handwritten notes and diagrams regarding furnace
C03067

C03068- March 24, 1977 message to C. Hummel from T. O'Connor
C03070 regarding vapor degreaser with handwritten drawings

C03071- May 17, 1978 memo to J. Johnson from A. Friedewald
C03072 regarding solvent systems-cost reduction

C03073- October 27, 1970 letter to A.E. Fraizer from D.J.
C03086 Hozek regarding proposal for a detrex degreaser
attaching same

C03087 File folder 5127

C03088 January 21, 1987 hand drawn diagram regarding
chemical feed loop Ajax heaters by R.W.B.

BOX 23

C03089- C03090	November 4, 1993 Cerro Copper Products Company repeating purchase requisition
C03091- C03092	April 2, 1991 purchase requisition
C03093- C03094	April 27, 1991 repeating purchase requisition
C03095- C03096	May 24, 1977 Cerro materials department repeating purchase requisition
C03097- C03098	February 22, 1988 Cerro repeating purchase requisition
C03099- C03100	August 25, 1982 Cerro repeating purchase requisition
C03101- C03102	September 19, 1986 Cerro repeating purchase requisition
C03103- C03104	January 26, 1990 Cerro repeating purchase requisition
C03105- C03106	November 27, 1989 Cerro repeating purchase requisition
C03107- C03108	June 16, 1987 Cerro repeating purchase requisition
C03109- C03110	June 12, 1981 Cerro repeating purchase requisition
C03111- C03112	February 15, 1983 Cerro repeating purchase requisition
C03113- C03114	July 13, 1989 Cerro repeating purchase requisition
C03115	Cerro materials department repeating purchase requisition
C03116- C03119	1983 Cerro repeating purchase requisition
C03120- C03123	April 15, 1993 Cerro repeating purchase requisition
C03124- C03127	March 10, 1993 Cerro repeating purchase requisition

C03128- C03129	November 22, 1993 Cerro repeating purchase requisition
C03130- C03133	August 30, 1993 Cerro repeating purchase requisition
C03134- C03135	July 30, 1979 Cerro materials department repeating purchase requisition
C03136- C03137	September 22, 1975 Cerro materials department repeating purchase requisition
C03138- C03139	January 24, 1977 Cerro materials department repeating purchase requisition
C03140- C03141	Cerro materials department repeating purchase requisition
C03142- C03151	October 13, 1978 Cerro materials department repeating purchase requisition
C03152- C03153	Cerro repeating purchase requisition
C03154- C03159	June 27, 1988 Cerro repeating purchase requisition
C03160- C03163	March 19, 1991 Cerro repeating purchase requisition
C03164- C03168	June 2, 1989 Cerro repeating purchase requisition
C03169- C03171	October 4, 1984 Cerro repeating purchase requisition
C03172- C03174	Cerro materials department repeating purchase requisition
C03175	September 16, 1991 Cerro Copper plant layout air pollution emission sources
C03176	Cerro diagram regarding plant emission sources
C03177	April 14, 1982 slimes and effluent treatment flow sheet
C03178	January 20, 1986 tank house area layout
C03179	1990 #3 and #4 anode furnace wet scrubber systems P and I.D. diagram
C03180	July 31, 1981 layout-sludge line from anode building to outside door tank

C03181 August 6, 1971 #3 and #4 anode sludge settling tank layout

C03182 September 6, 1990 anode furnace scrubber plans

C03183 August 12, 1954 Lewin-Mathes Company schematic flow diagram electrolyte and slimes department

C03184 May 12, 1969 Cerro Copper schematic flow diagram electrolyte department

C03185 December 24, 1971 Cerro Copper guards for buss bars in generator room in tank house

C03186 February 8, 1980 Cerro LVMEDS sewer

C03187 January 12, 1989 Cerro handrail and grading for cooling towers tank house

C03188 April 20, 1980 Cerro hydraulic layout outokumpu oy-hydraulic pump

C03189 July 29, 1983 Cerro ten inch drain line from bosh tanks to sump pumps at anode CW

C03190 April 16, 1991 Cerro floor plan and overflow layout #4 anode furnace

C03191 December 19, 1988 Cerro sump and pipe drawings for spacer/despacing machine

C03192 April 8, 1980 Cerro outokumpu layout-original

C03193 March 10, 1992 Cerro anode casting-department curb and gutters for building

C03194 October 2, 1959 Lewin-Mathes Company anode casting department sump and catch basin details

C03195 March 16, 1988 Cerro layout and details-drain line for boiler room area

C03196 July 23, 1970 Cerro #6 deep well pump connection

C03197 1970 Cerro plan and sections of foundation for Brule incinerator

C03198 May 11, 1970 Cerro layout of utility lines for sklenar furnace metal receiving building

C03199 October 27, 1967 Cerro horizontal continuous casting facilities proposed site plan and layout in #2 mill building

C03200	November 6, 1967 Cerro horizontal continuous casting facilities proposed layout #2 mill building
C03201	March 14, 1988 Cerro building 19 transformer area barrier walls
C03202	March 18, 1986 Cerro sections BD and EE to solvent extraction addition to slimes department
C03203	August 20, 1987 Cerro installation of IWT resin column-solvent extraction system
C03204	February 26, 1993 Cerro process flow sheet for solvent extraction electrowining circuit
C03205	November 15, 1985 Cerro process flow sheet for solvent extraction-electrowining circuit
C03206	August 1990 Cerro scrubber water treatment facility structural floor plan and electrical grounding plan and detail
C03207	August 1990 Cerro scrubber water treatment facility general arrangement
C03208	August 1990 Cerro scrubber water treatment facility collection and treatment process flow diagram
C03209	November 8, 1982 foundation plan and details slimes department renovation Cerro Copper
C03210	Cerro water softener tank house (piping)
C03211	April 6, 1973 Cerro water softener inst. tank house
C03212	December 22, 1993 Cerro anode scrap conveyor sections and elevations
C03213	September 17, 1965 Cerro foundation extension-rectifier room transformer substation-for 2,000 KVA transformer
C03214	May 6, 1966 Cerro concrete aisle floor for electrolyte department
C03215	March 2, 1978 Cerro gallagher pump relocation catch basin, manhole and sump details
C03216	April 2, 1980 electrolytic tank supports improvements to electrolytic cell tank house
C03217	January 18, 1980 Cerro plan-west end electrolytic tank supports improvements to electrolytic cell tank house

C03218	March 10, 1988 Cerro plan-foundation and floor slabs-boiler room area
C03219	April 1984 diagram of plant area
C03220	August 29, 1949 Darling and Company plan and profile of existing storm sewers
C03221	December 1992 Cerro extension of straight length tube storage building storm sewer-plan and profiles
C03222	October 28, 1980 Cerro slab over existing pit bull block #28
C03223	February 27, 1980 Cerro underfloor drainage piping bull blocks #4, 5, and 6
C03224	May 5, 1966 Cerro #1 bull block foundation plan
C03225	February 27, 1980 Cerro underfloor drainage piping bull blocks #4, 5, and 6
C03226	August 20, 1990 Cerro building 19 A.P. retaining wall
C03227	June 26, 1968 Cerro water piping arrangement tilting furnace exhaust system
C03228	June 26, 1968 Cerro tilting furnace exhaust system piping and instrumentation
C03229	May 14, 1986 Cerro quencher water separator and pump installation
C03230	October 31, 1991 Cerro #6 A.P. system process water flow diagram
C03231	January 19, 1965 Cerro service water piping and sewer copper melting and semi-continuous billet casting facilities
C03232	January 18, 1964 Cerro layout copper melting and semi-continuous billet casting facilities
C03233	April 9, 1955 Lewin-Mathes Company plan view underground lines electric furnace building
C03234	March 5, 1968 Cerro cooling water lines and hot well overflows-200 ton tilting furnace
C03235	April 19, 1957 Lewin-Mathes miscellaneous sewers and catch basins at copper blast furnace
C03236	Cerro drain lines

C03237	Cerro drain lines
C03238	Cerro drain lines
C03239	February 13, 1969 Cerro layout-13.8 KV feeder to metal receiving building and detail-electrical manhole
C03240	Cerro railroad spur tracks
C03241	Cerro railroad spur tracks
C03242	May 11, 1970 Cerro layout of utility lines for sklenar furnace metal receiving building
C03243	Diagram of Cerro Copper by Surdex Corp.
C03244	Diagram of plant area
C03245	Sketch of crops in vicinity of Darlings Fertilizer Plant
C03246	Diagram of plant emission sources
C03247	1969 Cerro asset number areas
C03248	1967 Cerro diagram of plant
C03249	1967 Cerro diagram of plant area
C03250	List of drawings
C03251	Cerro brick laying accessories
C03252	Cerro tilting furnace total list of bricks
C03253	Cerro detailed list of bricks
C03254	Cerro detailed list of bricks
C03255	August 1989 storm water collection facility site plan and profile option 1 (combined process and storm sewer system)
C03256	August 16, 1979 Cerro layout of incinerator and surrounding area
C03257	February 2, 1987 Cerro drum drain stand
C03258	Cerro storage tanks and drums facilities drums storage building, guardrail

C03259 July 28, 1953 Lewin-Mathes layout-proposed central maintenance shop

C03260 June 6, 1988 Cerro layout of hydraulic fluid tanks at central maintenance concrete retaining wall

C03261 April 30, 1984 Cerro layout of oil storage area southeast of central maintenance

C03262 October 17, 1978 Cerro layout of oil drum storage area southeast of central maintenance

C03263 September 6, 1974 layout of oil and paint storage building

C03264 Cerro drum storage building, isometric layout

C03265 August 19, 1950 Lewin-Mathes details for 4 rod koroseal lined chromium plating tank

C03266 September 30, 1950 Lewin-Mathes parts for 4 rod koroseal lined chromium plating tank

C03267 July 30, 1955 Lewin-Mathes company piping layout of laboratory addition

C03268 September 30, 1980 Cerro MRT pipeline layout

C03269 Method of cross sections

C03270 General location and survey control plan

C03271 June 22, 1981 Cerro plant elevations and bench marks

C03272 September 12, 1980 plant layout

C03273 March 10, 1981 Cerro Village of Sauget sewer system layout

C03274 A plat of part of Lots 210, 211, 214, 215, 218, 219, and 222 of the third subdivision of Cahokia Commons also part of Lots 125E and 125F, 126, 127, and 128 and Lots 1, 2, 3, 4, 5, and 6 of a subdivision of part of Lot 125F and 125G of the common fields of Cahokia March 8, 1970

C03275 August 5, 1970 Cerro existing electrical distribution system (A-C)

C03276 March 24, 1961 Lewin-Mathes transformer foundation extrusion bay

C03277 October 2, 1979 Cerro power distribution system

C03278	December 13, 1967 Cerro sewer plot plan
C03279	Lewin-Mathes sewers for #3 billet furnace
C03280	Lewin-Mathes addition to sewers from lift station to Dead Creek
C03281	Sections through manhole showing discharge
C03282	July 7, 1955 Lewin-Mathes plan view storm water drainage east of central maintenance
C03283	January 25, 1988 Cerro Dead Creek pumping station wet well pump house
C03284	January 20, 1988 Cerro Dead Creek pumping station wet well pumps
C03285	January 1988 Lopinot and Wideman, Inc. drainage improvement to mill office and brass mill sections and details
C03286	January 1988 Lopinot and Wideman, Inc. drainage improvement to mill office and brass mill sections and details
C03287	January 1988 Lopinot and Wideman, Inc. drainage improvement to mill office and brass mill plan view
C03288	November 30, 1989 Cerro main tube mill sewers
C03289	November 30, 1989 building 80 sewers
C03290	November 30, 1989 building 80 sewers
C03291	October 23, 1991 Cerro storm water collection facility oil skimmer relocation
C03292	November 30, 1989 main tube mill sewers
C03293	September 21, 1945 Lewin-Mathes diagram
C03294	January 31, 1950 Lewin-Mathes supporting platform for 1000 KVA 3 transformers
C03295	1991 departmental code for plant areas
C03296	Spring 1971 aerial photo with property lines
C03297	July 5, 1951 Lewin-Mathes lift station
C03298	1981 water quality lab sample analysis
C03299	1978 effluent quality lab sample analysis

C03300	1974 electrolyte analysis
C03301	1987 electrolyte analysis
C03302	1987 water quality analysis
C03303	1973 raw material analysis
C03304	1971 raw material analysis
C03305	1972 lab sample analysis
C03306	1975 raw material analysis
C03307	1983 raw material analysis
C03308	1985 raw material analysis
C03309	1984 electrolyte analysis
C03310	1989 electrolyte analysis

BOX 24

C03311- C03376	Water and sewer utilities through 1970
C03377- C03423	Sewer and water utilities 1971-1972
C03424- C03498	Sewer and water utilities 1974
C03499- C03522	Water and sewer utilities 1975-1976
C03523- C03536	Water and sewer utilities 1977
C03537- C03548	Water and sewer utilities 1978
C03549- C03565	Water and sewer utilities 1979
C03566- C03582	Water and sewer utilities 1980
C03583- C03612	Water and sewer utilities 1981 and 1982
C03613- C03640	Water and sewer utilities 1983
C03641- C03664	Water and sewer utilities 1984 and 1985
C03666- C03670	Water and sewer utilities 1986
C03671- C03675	Water and sewer utilities 1987
C03676- C03733	Water and sewer utilities 1988-1989
C03734	1971 blueprint proposed sampling and flow measurements points Village of Sauget
C03735	April 20, 1972 blueprint Village of Sauget water and contaminant material balance
C03736	Page 29 of response action cost summary

C03737- C03750	Sauget sites correspondence regarding PRPs, Dead Creek-R. Avendt visit
C03751	Title search Dead Creek area
C03752- C04536	Cadmium settlement documents (Bates numbers C03811- C04050 were inadvertently destroyed).
C04537- C04844	Cadmium issue 1988-1989 Tandler, Grana, and Silverstein files combined
C04845- C04859	Legal descriptions of the company property, Darling property agreement and drawing of asset number areas
C04860- C04874	Correspondence regarding Environmental Protection Agency testing program for brass mill used oils, revised analysis report dated August 2, 1986
C04875- C04887	Metal working lubricants company correspondence 1991

BOX 25

C04888- C05111	<u>Cerro and Sauget v. EPA</u> documents
C05112- C05250	Pretreatment-Village of Sauget 1990
C05251- C05293	Pretreatment-Village of Sauget 1989
C05294- C05366	Pretreatment-Village of Sauget July 1988 to December 1988
C05367- C05408	Pretreatment-Village of Sauget July to December 1987
C05409- C05521	Pretreatment-Village of Sauget January to June 1987
C05522- C05613	Pretreatment-Village of Sauget January 1988 to June 1988
C05614- C05754	Cerro pretreatment January to March 1990
C05755- C05876	Cerro pretreatment June to September 1990
C05877- C05930	Cerro pretreatment October to December 1990
C05931- C05977	Cerro pretreatment April to May 1990
C05978- C06056	1989-4th quarter
C06057- C06129	1989-3rd quarter
C06130- C06262	Cerro pretreatment 2nd quarter-1989
C06269- C06378	Cerro pretreatment 1st quarter-1989
C06379- C06507	Cerro pretreatment November 1988 to December 1988
C06508- C06619	Cerro pretreatment September 1988 to October 1988

C06620- C06763	Cerro pretreatment July 1988 to August 1988
C06764- C06820	Cerro pretreatment May 1988 to June 1988
C06821- C06853	Cerro pretreatment April 1988
C06854- C06912	Cerro pretreatment March 1988
C06913- C06942	Cerro pretreatment January 1988 to February 1988
C06943- C07042	Cerro pretreatment January 1987 to June 1987
C07043- C07147	Cerro pretreatment July 1987 to December 1987
C07148- C07189	Cerro pretreatment March 1986
C07190- C07286	Cerro pretreatment April 1986 to July 1986
C07287- C07408	Cerro pretreatment August 1986 to December 1986
C07408- C07524	Cerro pretreatment January 1986 to February 1986
C07525- C07571	Cerro pretreatment October 1985 to December 1985
C07572- C07662	Cerro pretreatment January 1985 to September 1985
C07663- C07763	Cerro pretreatment 1982 to 1984

BOX 26

C07764- C07765	Documents produced for USEPA
C07766	First set of Interrogatories USEPA
C07767	Second set of Interrogatories and first set of Admissions January/February 1990 to USEPA
C07768	Cerro's first set of Interrogatories
C07770	USEPA original Complaint
C07771	Defenses (Cerro)
C07772	Law suit miscellaneous documents
C07773	Sanitary Development and Research Association-Village of Sauget Statements
C07774	P-Chem plant directors meetings 1989 to 1990
C07775	P-Chem plant directors meeting 1988
C07776	P-Chem plant directors meeting 1987
C07777	P-Chem plant directors meeting 1986
C07778	P-Chem plant directors meeting 1985
C07779	P-Chem plant directors meeting 1984
C07780	Sauget directors meeting 1983
C07781	Directors meeting 1982
C07782	Directors meeting 1980 to 1981
C07783	Directors meetings and miscellaneous Regional plant 1990
C07784	Regional plant directors meeting 1989
C07785	Regional plant directors meeting 1988
C07786	Regional plant directors meeting 1987
C07787	Regional plant directors meeting 1986
C07788	Regional plant directors meeting 1985
C07789	ABRWT billings directors meeting 1986 to 1988

C07790	Regional Waste Treatment Plant directors meeting 1982 to 1983
C07791	Regional plant directors meeting 1981 to 1981
C07792	Regional Waste Treatment Plant directors meeting 1979
C07793	Regional plant directors meeting 1977
C07794	Regional Waste Treatment Plant directors meeting 1978
C07795	Regional Waste Treatment Plant directors meeting 1972 through 1975

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C07796 American Bottoms Regional Wastewater Treatment
directors meeting 1990

C07797 American Bottoms Regional Wastewater Treatment-
pretreatment directors meeting 1986

C07798 American Bottoms Regional Wastewater Treatment-
pretreatment directors meeting 1985

C07799 American Bottoms Regional Wastewater Treatment-
pretreatment directors meeting 1984 October to
December

C07800 American Bottoms Regional Wastewater Treatment-
pretreatment directors meeting 1984 July to September

C07801 American Bottoms Regional Wastewater Treatment-
pretreatment directors meeting 1984 April to June

C07802 American Bottoms Regional Wastewater Treatment-
pretreatment directors meeting 1984 January to March

C07803 American Bottoms Regional Wastewater Treatment-
pretreatment directors meeting 1983 January to June

C07804 American Bottoms Regional Wastewater Treatment-
pretreatment directors meeting 1983 July to December

C07805 American Bottoms Regional Wastewater Treatment-
pretreatment directors meeting 1981 to 1982

C07806 American Bottoms Regional Wastewater Treatment-
pretreatment directors meeting general

C07807 Chemical Plant operations Sauget Treatment Plant

C07808 USEPA v. Cerro

C07809 Interrogatories

C077810 USEPA v. Cerro July 1989

C07811 USEPA v. Cerro 3/89 to 6/89

C07812 Combined waste formula, Patterson Inc., Sverdrup
invoices wastewater sampling

BOX 28

C07813	Zero discharge
C07814	Settlement talks <u>USEPA v. Cerro</u> July to September 1990, Consent Decree
C07815	Sauget P-Chem billings 1990
C07816	Sauget P-Chem billings 1989
C07817	Sauget P-Chem billings 1988
C07818	1987 P-Chem Plant billings
C07819	Village of Sauget statements 1986
C07820	Village of Sauget statements 1985
C07821	Village of Sauget statements 1984
C07822	Village of Sauget statements 1983
C07823	Village of Sauget statements 1980
C07824	Village of Sauget statements 1981
C07825	Village of Sauget statements 1982
C07826	Village of Sauget statements 1979
C07827	Village of Sauget statements 1978
C07828	Village of Sauget statements 1976 to 1977
C07829	Village of Sauget statements 1974 to 1975
C07830	Village of Sauget statements 1971 1972 to 1973
C07831	Sauget P-Chem Plant operating cost and backup 1982 to 1990
C07832	Operating costs-sewerage plant 1965 to 1980
C07833	Sauget Waste Treatment Plant reports 1981
C07834	American Bottoms Regional Wastewater Treatment Plant billings 1986 to 1991
C07835	Pretreatment Permit 1989
C07836	Pretreatment Permit 1988

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Organizational charts

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Kortee-Plocher Construction Company Inc. daily job
reports

BOX 29

C07850- Plant road analysis documents
C07924

C07925 Warehouse soil analysis

C07937- Site I - groundwater sampling
C07955

C07956 Site I well core samples

C07958- Truck lot yellow stain - Summer 1991
C07991

C07992 Truck lot discoloration Summer 1991

C07993 August 23 and 24, 1989 soil boring project

C07994 Cerro Copper Products boring logs

C07995 August 23 and 24, 1989 soil boring project

C07996- New warehouse core drilling sampler November 1989
C07997

C07998- 10/12-property taxes and assessments 1988 to 1989
C08243

C08244- 10/12-property assessments and taxes 1990 to 1992
C08355

C08356 Hunstain Company appraisal report

C08357- 10/12-property assessments and taxes 1983 to 1987
C08537

C08538- Organizational Charts
C08545

C08546- Uniform Hazardous Waste Manifests
C08589

C08590- August 8, 1989 Topographic Maps prepared for the
C08593 Avendt Group by Walker & Associates.

C08594- PCB Annual Document.
C08666

C08667- 9/27/89 Authority for Expenditure (AFE).
C08671

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